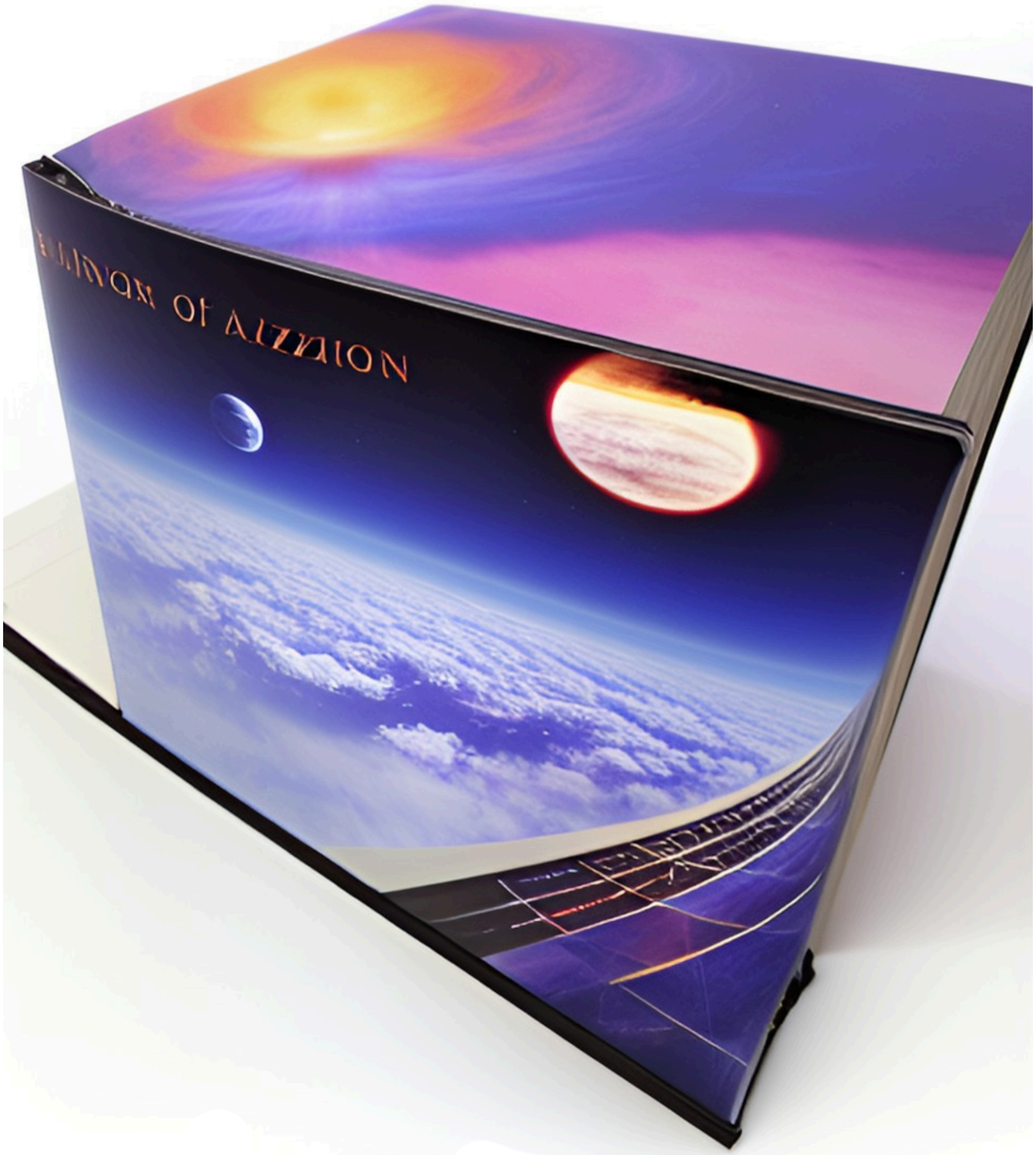


SPHERE OF REALIZATION

EMMERSON

Sphere of Realization Table of Contents:

The Sphere of Realization : The Mathematical Path of Harmonious Being

1. Step-by-step Solutions to the Phenomenological Velocity (V-Curvature) Equation and Discourse on the V-Curvature Method and Energy As Boundaries

From The Cone of Perception, volume one of my collected works, you will remember that one of the main topics in that work was V-Curvature, also called, “phenomenological velocity.” In that work, although a solution to the v - curvature variable was provided as well as many graphs that yielded numerous jewels of spiral formulations in exquisite 3D color formations, that method by which the solution was found was not iterated. This chapter begins by showing how it is possible to solve for something that ideally ought cancel out with itself and how, although commutation between square roots is valid, there may be room here for an alternate route of accessing ***a hidden dimension*** - *that dimension we call* ***V-Curvature, or, “Phenomenological Velocity****.”* Herein is provided the pathway for solving for V-Curvature in terms of Csc, which can be translated into Sin and Cos functionality. Furthermore, the processing these equations through WolframAlpha yielded other insights into limits, roots, and series that logically follow.

How did the solutions to the, "velocity," v - variable curvature in the Lorentz coefficient, **“manifest,”** when the Lorentz coefficient ought cancel out with itself? The step - by - step solution below illustrates the algebraic process by which a specific solution for something that ought cancel out with itself can be found.

A) Deriving the Cosecant Formulation:

Solve for v:

$$r\sin(\beta) = \frac{\sqrt{r\sqrt{1-1.11265\times10^{-17}\,v^2}}\;\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\;\sqrt{4\pi r - r\theta}}{2\pi}$$

Reverse the equality in

$$r\sin(\beta) = \frac{1}{2\pi}\sqrt{r\sqrt{1 - 1.11265\times10^{-17}\,v^2}}\,\sqrt{\frac{\theta}{\sqrt{1 - 1.11265\times10^{-17}\,v^2}}}\,\sqrt{4\,\pi\,r - r\,\theta}$$

in order to isolate v to the left hand side.

$$r\sin(\beta) = \frac{\sqrt{r\sqrt{1 - 1.11265\times10^{-17}\,v^2}}\,\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\,\sqrt{4\,\pi\,r - r\,\theta}}{2\,\pi}$$ is

equivalent to $$\frac{\sqrt{r\sqrt{1 - 1.11265\times10^{-17}\,v^2}}\,\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\,\sqrt{4\,\pi\,r - r\,\theta}}{2\,\pi}$$

$r\sin(\beta)$:

$$\frac{\sqrt{r\sqrt{1 - 1.11265\times10^{-17}\,v^2}}\,\sqrt{\frac{\theta}{\sqrt{1-1.11265\times10^{-17}\,v^2}}}\,\sqrt{4\,\pi\,r - r\,\theta}}{2\,\pi} = r\sin(\beta)$$

Divide both sides by a constant to simplify the equation.

Divide both sides by $\frac{\sqrt{4\,\pi\,r - r\,\theta}}{2\,\pi}$:

$$\sqrt{r\sqrt{1 - 1.11265\times10^{-17}\,v^2}}\,\sqrt{\frac{\theta}{\sqrt{1 - 1.11265\times10^{-17}\,v^2}}} = \frac{2\,\pi\,r\sin(\beta)}{\sqrt{4\,\pi\,r - r\,\theta}}$$

Isolate a radical to the left hand side.

Divide both sides by $\sqrt{\frac{\theta}{\sqrt{1 - 1.11265\times10^{-17}\, v^2}}}$:

$$\sqrt{r\sqrt{1 - 1.11265\times10^{-17}\, v^2}} = \frac{2.09585\times10^{-8}\, r\sin(\beta)}{\sqrt{r(4\pi - \theta)}\sqrt{-\frac{\theta\sqrt{1-1.11265\times10^{-17}\, v^2}}{1\, v^2-89\,875\,517\,873\,681\,760}}}$$

Eliminate the square root on the left hand side.

Raise both sides to the power of two:

$$\left\{ r\sqrt{1 - 1.11265\times10^{-17}\, v^2} = -\frac{4.39257\times10^{-16}\, r\sin^2(\beta)\left(v^2 - 89\,875\,517\,873\,681\,760\right)}{\theta\sqrt{1 - 1.11265\times10^{-17}\, v^2}\,(4\pi - \theta)} \right.$$

Multiply both sides by an expression with respect to v to clear fractions.

Cross multiply:

$$r\,\theta\left(1 - 1.11265\times10^{-17}\, v^2\right)(4\pi - \theta) = -4.39257\times10^{-16}\, r\sin^2(\beta)\left(v^2 - 89\,875\,517\,873\,681\,760\right)$$

Write the quadratic polynomial
on the left hand side in standard form.

Expand and collect in terms of v:

$$4\pi r\theta - r\theta^2 = -4.39257\times10^{-16}\, r\sin^2(\beta)\left(v^2 - 89\,875\,517\,873\,681\,760\right)$$

Reverse the equality in $4\pi r\theta - r\theta^2 = -4.39257\times10^{-16}\, r\left(v^2 - 89\,875\,517\,873\,681\,760\right)\sin^2(\beta)$ in order to isolate v to the left hand side.

$4\pi r\theta - r\theta^2 = -4.39257\times10^{-16}\, r\left(v^2 - 89\,875\,517\,873\,681\,760\right)\sin^2(\beta)$ is equivalent to $-4.39257\times10^{-16}\, r\left(v^2 - 89\,875\,517\,873\,681\,760\right)\sin^2(\beta) = 4\pi r\theta - r\theta^2$:

$$-4.39257\times10^{-16}\, r\sin^2(\beta)\left(v^2 - 89\,875\,517\,873\,681\,760\right) = 4\pi r\theta - r\theta^2$$

Divide both sides by a constant to simplify the equation.

Divide both sides by $-4.39257\times10^{-16}\, r\sin^2(\beta)$:

$$v^2 - 89\,875\,517\,873\,681\,760 = 2\,276\,573\,462\,857\,380\,\theta^2\csc^2(\beta) - 28\,608\,265\,865\,080\,888\,\theta\csc^2(\beta)$$

Isolate terms with v to the left hand side.

Add 89 875 517 873 681 760 to both sides:

$$v^2 = 89\,875\,517\,873\,681\,760 - 28\,608\,265\,865\,080\,888\,\theta\csc^2(\beta) + 2\,276\,573\,462\,857\,380\,\theta^2\csc^2(\beta)$$

Eliminate the exponent on the left hand side.

Take the square root of both sides:

Answer:

$$v = \sqrt{(89\,875\,517\,873\,681\,760 - 28\,608\,265\,865\,080\,888\,\theta\csc^2(\beta) + 2\,276\,573\,462\,857\,380\,\theta^2\csc^2(\beta))}$$ or

$$v = -\sqrt{(89\,875\,517\,873\,681\,760 - 28\,608\,265\,865\,080\,888\,\theta\csc^2(\beta) + 2\,276\,573\,462\,857\,380\,\theta^2\csc^2(\beta))}$$

Once more, I'd like to re - emphasize that this process does not designate truth absolutely or falsity, rather, it provides a **UTILITY** for application to a realm of different equations including mainstream quantum mechanical equations.

B) Limits :

$$\lim_{\theta\to\pm\infty} \left(\sqrt{(-1\,129\,409\,066\,758\,147\,072\,\theta +}\right.$$

$$\{ \qquad 89\,875\,517\,873\,681\,760\,\theta^2 + 3\,548\,143\,227\,025\,099\,264\,\sin^2$$

$$\left(\sqrt{-12.5664\,\theta + \theta^2 + 39.4784\sin^2(\beta)}\right) = 2.99792\times 10^8$$

C) Roots : Here we see an interesting insight into the nature of energy. There are certain functions that WILL NOT equal zero within this system. It is also highly relevant as we continue on through the next chapter, which outlines the equation map, because we will see how this, "method," also referred to as "tantra," or tapestry, which I find to be an appropriate analogy, can be applied to all the subsequent V-curvature solutions of the varying modes of structural equations. Patternizing of equations allows the observer to see things from different perspectives of equality within a broader framework of, "what is real," in which time (at least how we conceive of it) is not a good description of a parameter in reality, as non-linear, non-

circular differentials and progressions are referred to in terms of the alternations of their arrangements of logical inter-weaving (as a valid mode of perceiving the world). This topic will be discussed in more detail as we progress.

However, it would be pertinent to note at this juncture that the inability of an expression within the system to equal zero presents a new way of understanding an attribute of energy. For instance, it may be analogous to the fact that entropy of a system can never get to zero (because of the hyperbolic amount of work it takes), which would mean that it provides a new introspection into a derivation of this principle.

Input interpretation:

$$v = \left(\sqrt{(3\,548\,143\,227\,025\,099\,264 \sin^2(\beta) + 89\,875\,517\,873\,681\,760\,\theta^2 - 1\,129\,409\,066\,758\,147\,072\,\theta)}\right) \Big/ \left(\sqrt{39.4784 \sin^2(\beta) + \theta^2 + \theta \times (-12.5664)}\right)$$

Result:

$$v = \left(\sqrt{(3\,548\,143\,227\,025\,099\,264 \sin^2(\beta) + 89\,875\,517\,873\,681\,760\,\theta^2 - 1\,129\,409\,066\,758\,147\,072\,\theta)}\right) \Big/ \left(\sqrt{39.4784 \sin^2(\beta) + \theta^2 - 12.5664\,\theta}\right)$$

Enlarge | Data | Customize | Plaintext | Interactive

Roots:

$$\sqrt{\left(-8.67927\times 10^{27} \sin^2(\beta) - 2.06332\times 10^{13} \sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31} \sin^2(\beta)} - 9.10286\times 10^{28}\right)} \neq 0,$$
$$\theta \approx 3.56048\times 10^{-16}\left(4.\sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31} \sin^2(\beta)} + 1.7647\times 10^{16}\right)$$

$$\sqrt{\left(-8.67927\times 10^{27} \sin^2(\beta) + 2.06332\times 10^{13} \sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31} \sin^2(\beta)} - 9.10286\times 10^{28}\right)} \neq 0,$$
$$\theta \approx 3.56048\times 10^{-16}\left(1.7647\times 10^{16} - 4.\sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31} \sin^2(\beta)}\right)$$

```
Reduce[
  (4 Sqrt[2 θ (-35 294 033 336 192 096 + 2 808 609 933 552 555 θ) + 221 758 951 689 068 704
        Sin[β]^2]) / Sqrt[(-12.5664 + θ) θ + 39.4784 Sin[β]^2] == 0, {β, θ}]
```

Reduce: Reduce was unable to solve the system with inexact coefficients. The answer was obtained by solving a corresponding exact system and numericizing the result.

$$\left(-9.10286\times 10^{28} - 8.67927\times 10^{27}\,\text{Sin}[\beta]^2 + 2.06332\times 10^{13}\sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31}\,\text{Sin}[\beta]^2} \neq 0 \,\&\&\, \theta == -1.42419\times 10^{-15}\left(-4.41175\times 10^{15} + \sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31}\,\text{Sin}[\beta]^2}\right)\right) \,||$$
$$\left(9.10286\times 10^{28} + 8.67927\times 10^{27}\,\text{Sin}[\beta]^2 + 2.06332\times 10^{13}\sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31}\,\text{Sin}[\beta]^2} \neq 0 \,\&\&\, \theta == 1.42419\times 10^{-15}\left(4.41175\times 10^{15} + \sqrt{1.94636\times 10^{31} - 1.94636\times 10^{31}\,\text{Sin}[\beta]^2}\right)\right)$$

Physicists in the modern era have assumed that mass is a real phenomenon, and have based all their formulations upon this concept. However functional the postulate of mass's, "being," is, it is still an assumption on its face without parametric definition. Just because a theory works, does not mean it' s technically correct. This is an important distinction, because if science does not recognize this, it will eventually hit a wall of progress. Does one actually perceive a mass? Or has one inferred that a concept of mass must exist as the basis of reality, and if so, "on what notion was this inference based?" In, “The Cone of Perception,” the **Geometric Pattern of Perception Theorems** based their functionality of describing the motion of and perceived being of, "objects," in the world through pure algebra and geometry of the transformation of ideal shapes. Through perceiving and describing these transformations phenomenologically, we can extract a plentitude of equations describing transformation and motion (perhaps as definitions of what is commonly referred to as spatio-temporality, though it is probably as good a term as mass), which act as articulation of perceived phenomena of transformation and motion and may suffice for explaining curvature of, “space-time,” relating with gravity, including the curvature perceived as correlating with *dark matter.* However, again I would iterate that space-time not effective terminology. Instead, we simply use concepts of ***distance, angles, dimensionality, constraints, zero, null-set, infinity, imaginary, virtual and V-Curvature.*** Therefore, by redefining the linguistic terminology, physics will have a better philosophical foundation from which to proceed.

You can say, "we know that the characteristics of this system and these constraints on the nature of zero, infinity, energy, etc. and reality are close to this equation," but that is philosophically distinct and semantically different than saying that you understand any aspect of the phenomenon of energy, because you have derived, this or that equation that seems to match a perceived phenomenon. If the very definition of your variables are philosophically incorrect, that only compounds the problem of forming an accurate picture of reality, because remember, correlation is not causation.

People speak of Energy to describe the phenomenon of that which is neither created nor destroyed, but really, all that is needed to describe that phenomenon is contained within the, "phenomenological velocity," equation, also known as V - Curvature, since it' s not really even necessary to consider it velocity. We have a wave equation within the fabric of perceived reality, the expressions of which were derived from the most basic, fundamental ideal forms, that never equals zero, meaning it most likely never began, and it certainly will never end (or it can' t be created, and it can' t be destroyed). From this (loose) definition of Energy, we now have a theoretical "mass-energy," relation, if we still need to cling to the concepts of mass and energy.

The principle of drawing analogies and syllogisms between forms, equations, structures and present day physics ideas will help replace/repair the equations where there is outdated conceptual infrastructure in linguistic forms of modern physics.

Furthermore, with the realization that something can cancel out with itself, but also have a very specific solution that is non - trivial, beautiful and useful, we find a new, linguistic tool for absolving concepts of duality, being and not being, acting upon and not acting upon, etc. Furthermore, with the acquisition of solutions to equations that number 3, 4, 5, 7, 10, etc. we realize that there are not necessarily always only a positive and negative series of solutions, but rather an intricate, higher dimensional web of possible solutions, yielding analogies to the multi - armed forms of Hinduism and Buddhism.

- We will investigate the expressions of infinity and see if we can find a form in which the geometric components and constituents have not disintegrated at the locality where infinity

ought be reached; in essence searching for a linguistic structure for discussing the emerging meaning of infinity. Indeed, we will postulate that there really are no directions save your imagination or conceptualization, and rather, the direction, in actuality, means looking at varying meanings of, toward or away from infinitude and looking from them once they are revealed, all from within the being of an individual.

2. Map of Equations: Differential Combinations and Methods

- $\theta z = r\alpha - x\delta$: An arc length of given angle and radius equals the difference between two different arc lengths, each with different radius and angle.
  - $\theta z = r\alpha - x\alpha$: An arc length of given angle and radius equals the difference between two different arc lengths, each with different radius, but same angle.
    - Other Combinations of **Equation Forms** in which the subtrahend and minuend maintain different radii but same angle:
    - $\theta z = 2\pi r - 2\pi x$, where $\alpha = 2\pi$, and z is left as a variable.
    - $\theta r = 2\pi r - 2\pi x$, where $\alpha = 2\pi$, and z is fixed to the value of r.
    - $\gamma x = 2\pi r - 2\pi x$, where $\alpha = 2\pi$, and z is fixed to the value of x, the smaller circle, and γ is used to differentiate from θ.
    - $2\pi r = \alpha r - \alpha x$, where
  - $z\theta = r\alpha - r\delta$: An arc length of given angle and radius equals the difference between two different arc lengths, each with same radius, but different angle.
    - Other Combinations of **Forms**:
    - $2\pi r = \theta r - \gamma r$:
    - $2\pi r = \gamma r - \theta r$:
    - $2\pi r = \gamma x - \theta x$:
    - $2\pi r = \gamma x - \theta x$:

The V - Curvature Solutions resulting from application of the v - curvature method to the height solution of each equation yields a different configuration/format of V - Curvature. So, from this concept, a number of questions arise. What forms, both geometrically and algebraically, are produced through the equating of v - curvatures resulting from different, "origin," equations? What are the implications to veracity from this procedure? How can we reverse engineer V-Curvature equalities to simpler expressions of angular differentials? Also, under what circumstances is it permissible within logical and reasonable formulations and configurations to equate v - curvatures of different difference equations to begin with, and in what ways is it more or less, "accurate," or, "valid," to leave variables floating or constrained with respect to an interdimensional reference frame?

Perhaps it is best to study V - Curvature Method and prime to better outline exactly what we mean by the V - Curvature Method.

Oneness, the great concept in Man' s search for ultimate esoteric meanings in the mystery schools of enlightenment throughout history, has now been shown to actually be, plainly and

simply, an incredibly useful method by which the interwoven, higher dimensional, interlocking patterns of reality can be be revealed and expounded upon mathematically. For example, just consider how literally, the number one was algebraically expressed, inserted, factored out or otherwise implemented/used to yield equations of 10, 14, and embedded dimensionality in The Cone of Perception. Thus, this can be considered a method to reveal interwoven patterns of reality, which unveils the relationship of tapestry and method within the term, “tantra.”

What is reverse? What is opposite? What has been reversed? What has been opposed?

If one postulates that they/you/I exist, or even that one exists, does it stand to reason that there is at least the possibility to no longer exist? The Taoist might argue that to be true. However, actually, this is not necessarily the case. The mode of opposition is linguistically and philosophically improper, because negatives have no evidence of actually existing except in the credit markets of course. You can' t offer someone a cookie you don' t have. However, when you speak of, "opposition," you may actually be considering a re - arrangement of meanings to create a juxtaposition, which take many different forms. Also, the job a philosopher is not necessarily to make people come up with a conclusion exactly as the philosopher would so desire, but rather to encourage discussion and contemplation of interesting topics for people to draw their own conclusions and insights through suggested methods or, “tantra.”

The V – Curvature Solutions resulting from application of the v – curvature method to the height solution

V – Curvature Method and prime. What is the V – Curvature Method ?

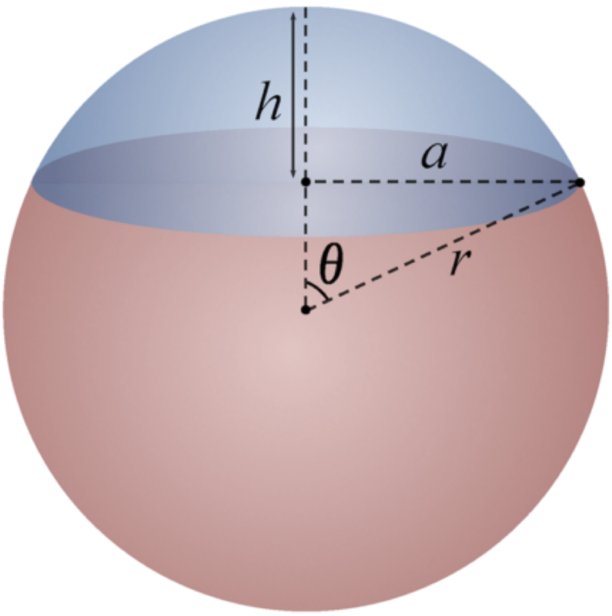
3. New Statements on Philosophy

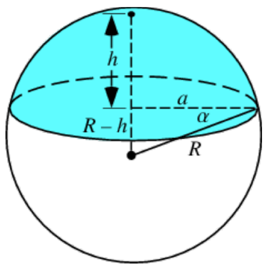
Introduction :

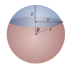
The only way to, "escape the matrix," is to define who you are and bend the matrix to you. Arguing over whether we are or are not in a simulation may be pointless, because if we are in a simulation, then it stands to reason it is a copy in some way of the original reality, but if you were in a copy, you' d be fully immersed in a copy and not know that you were in a copy, because you'd have nothing to compare it to, because you' d never have seen the original. So much of what we believe technology makes real is actually only make-believe, and really, our imagination is closer to reality.

The reason to not do drugs to attain states of higher awareness as a regular thing is to know that you can get there (to a state of realization, mental illumination and insight) quickly with drugs, but isn’ t it more interesting to watch something build itself, and in the case of drugs vs. meditation, that, “thing,” is realization or insight into the true nature of reality, even virtual reality. Similarly, to do your duty and practice the dharma assures that your karma will be good rather than seeking after good karma. Let things occur naturally by practicing the way of insight and self realization to your full potential for the purpose of articulating the nature of consciousness and expanding your own awareness of reality.

4. Difference between Surface Areas of Two Spheres







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Solve[4 π r^2 - 4 π (x)^2 == π (π (2 π r^2 (1 - Cos[θ]))), r]
```

$$\left\{\left\{r\to -\frac{\sqrt{2}\ x}{\sqrt{2-\pi^2+\pi^2\,\mathrm{Cos}[\theta]}}\right\},\left\{r\to \frac{\sqrt{2}\ x}{\sqrt{2-\pi^2+\pi^2\,\mathrm{Cos}[\theta]}}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (x)^2 == π (a^2 + h^2), r]
```

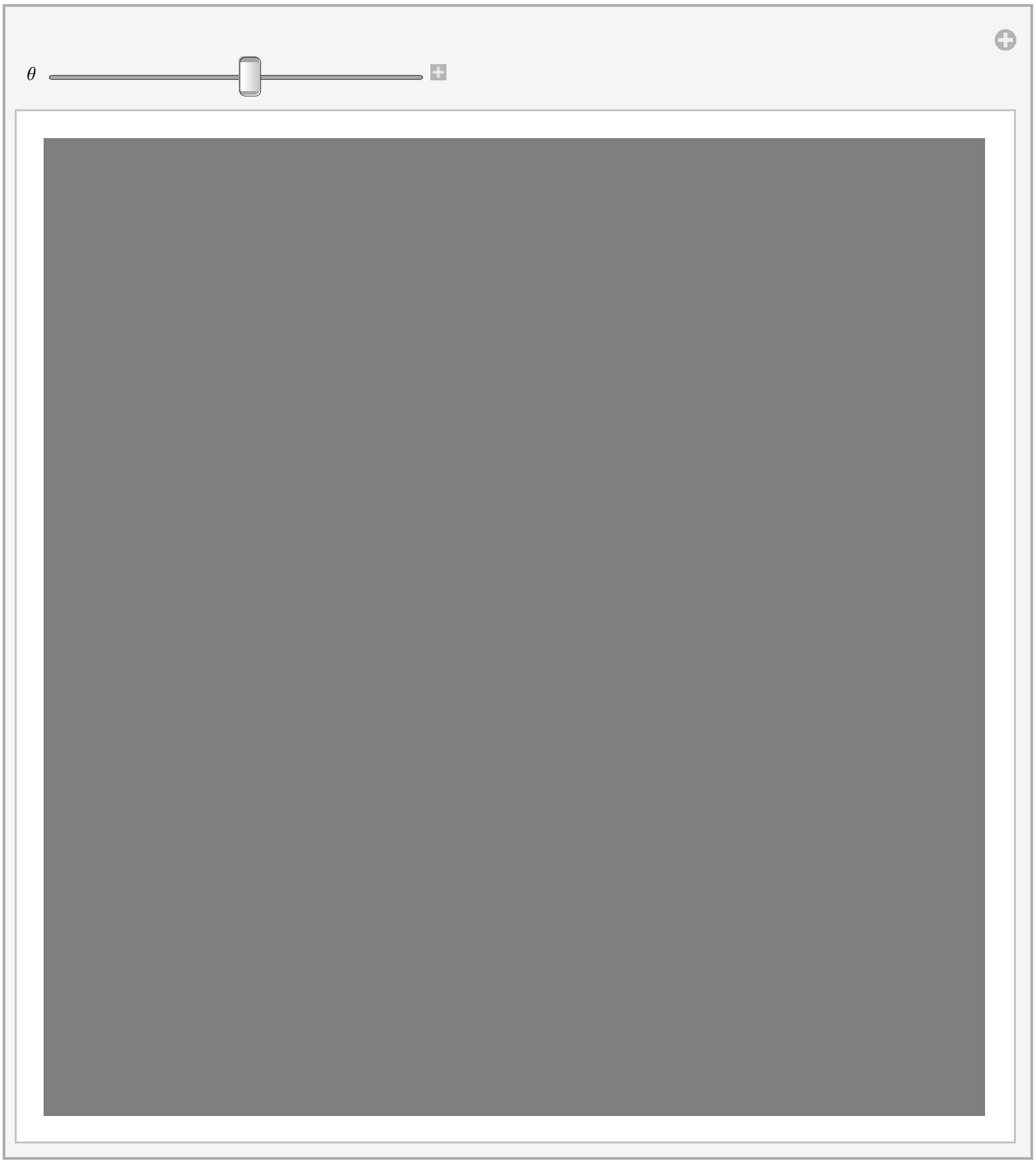
$$\left\{\left\{r\to -\frac{1}{2}\sqrt{a^2+h^2+4\,x^2}\right\},\left\{r\to \frac{1}{2}\sqrt{a^2+h^2+4\,x^2}\right\}\right\}$$

Equating this result with radius solution from, "The Cone of Perception," (Emmerson, 2009 - 2014) yields an interesting symmetry and potentially useful platform for wafer design.

In[∘]:=

$$\text{Manipulate}\left[\text{SphericalPlot3D}\left[\left\{-\frac{\mathbb{i}\,\sqrt{a^2+h^2}\,(2\pi-\theta)}{\sqrt{\theta}\,\sqrt{-16\pi+4\theta}},\ \frac{\mathbb{i}\,\sqrt{a^2+h^2}\,(2\pi-\theta)}{\sqrt{\theta}\,\sqrt{-16\pi+4\theta}}\right\},\ \{a,-1,1\},\ \{h,-1,1\},\ \text{PlotTheme}\to\{\text{"Classic"},\text{"ClassicLights"}\}\right],\ \{\theta,0,2\pi\}\right]$$

Out[∘]=



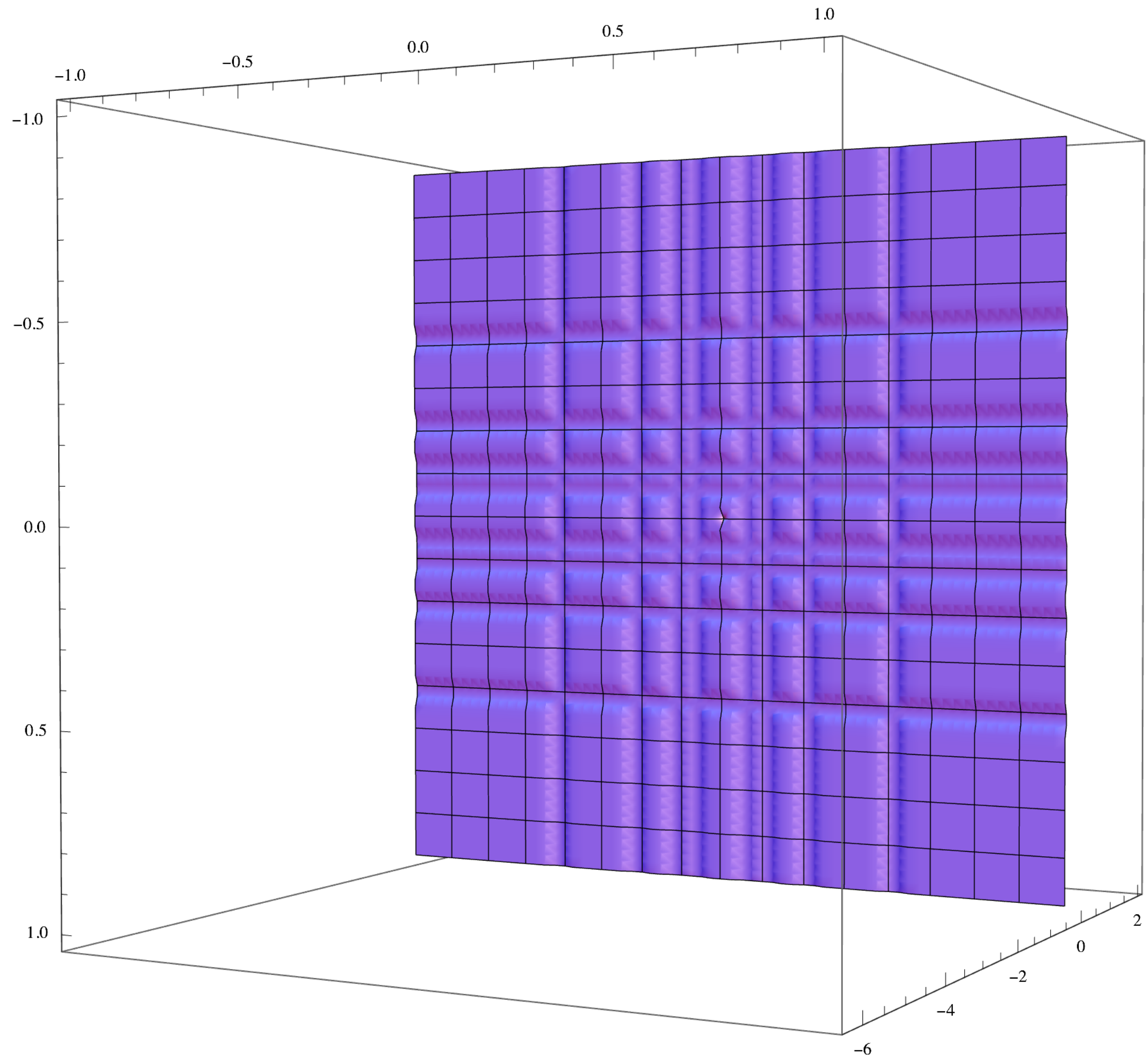
Power: Infinite expression $\frac{1}{0}$ encountered.

Power: Infinite expression $\frac{1}{0}$ encountered.

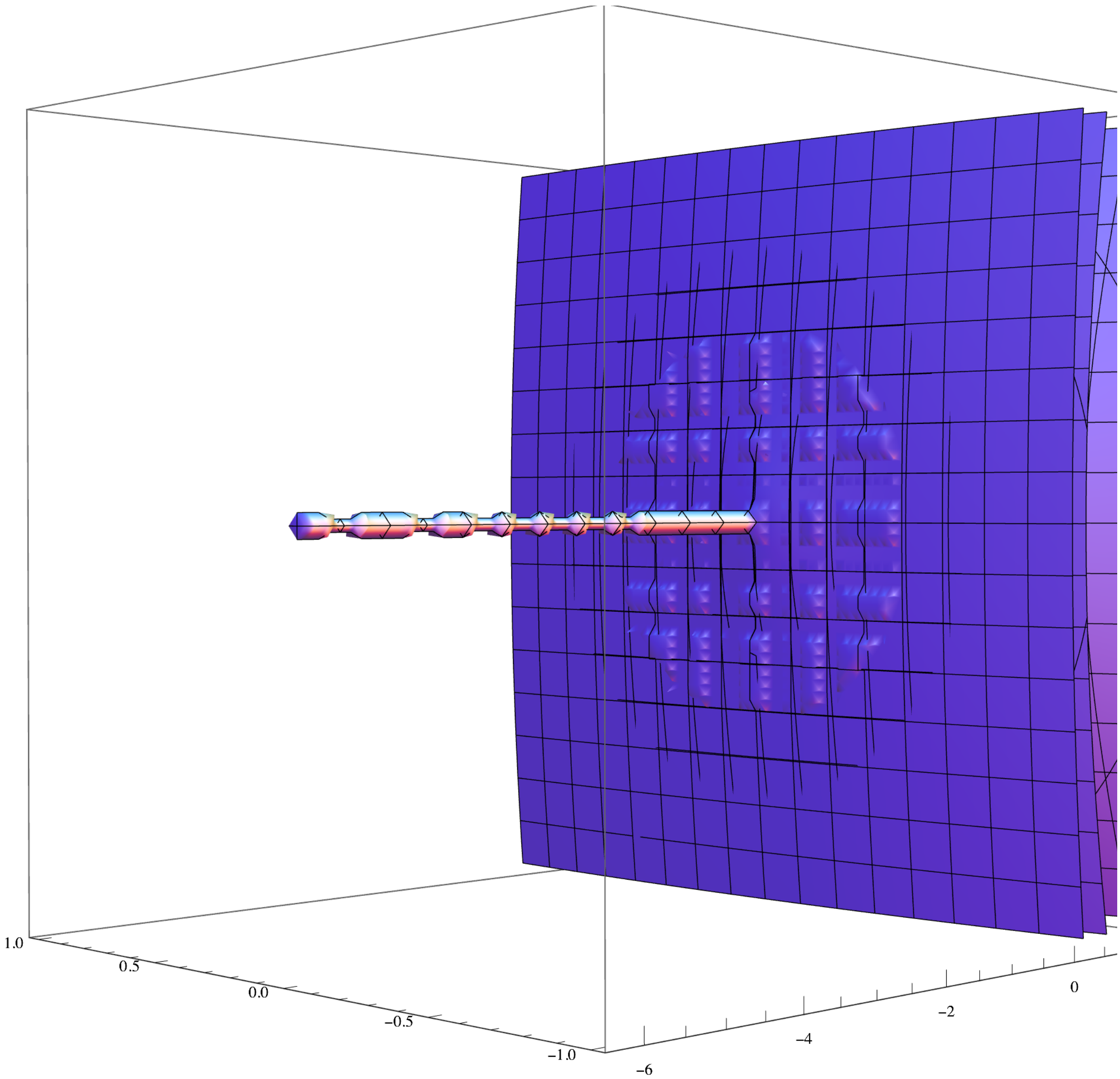
Power: Infinite expression $\frac{1}{0}$ encountered.

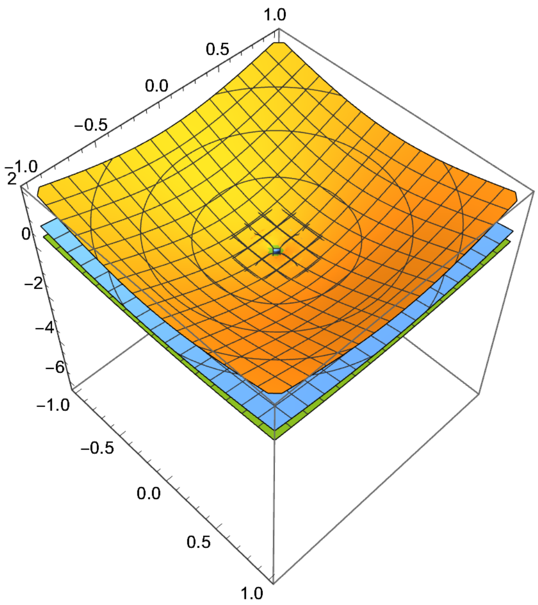
General: Further output of Power::infy will be suppressed during this calculation.

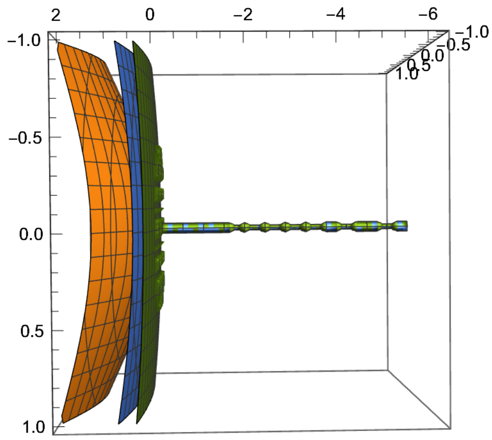
$$\text{ContourPlot3D}\left[\left\{-\frac{i\sqrt{a^2+h^2}\,(2\pi-\theta)}{\sqrt{\theta}\,\sqrt{-16\pi+4\theta}},\ \frac{i\sqrt{a^2+h^2}\,(2\pi-\theta)}{\sqrt{\theta}\,\sqrt{-16\pi+4\theta}}\right\},\ \{a,-1,1\},\ \{h,-1,1\},\ \{\theta,-2\pi,2\},\ \text{PlotTheme}\to\{\text{"Classic"},\text{"ClassicLights"}\}\right]$$



$$\text{ContourPlot3D}\left[\frac{i\sqrt{a^2+h^2}\;(2\pi-\theta)}{\sqrt{\theta}\;\sqrt{-16\pi+4\theta}},\{a,-1,1\},\{h,-1,1\},\{\theta,-2\pi,2\},\text{PlotTheme}\to\{\text{"Classic"},\text{"ClassicLights"}\}\right]$$







Further interesting solutions can be deduced :

$$\text{Solve}\left[\frac{2\,\pi\,x}{2\,\pi-\theta} == \frac{1}{2}\,\sqrt{a^2+h^2+4\,x^2}\,,\,h\right]$$

$$\left\{\left\{h\to-\frac{i\,\sqrt{4\,a^2\,\pi^2-4\,a^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+a^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\},\right.$$

$$\left.\left\{h\to\frac{i\,\sqrt{4\,a^2\,\pi^2-4\,a^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+a^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\}\right\}$$

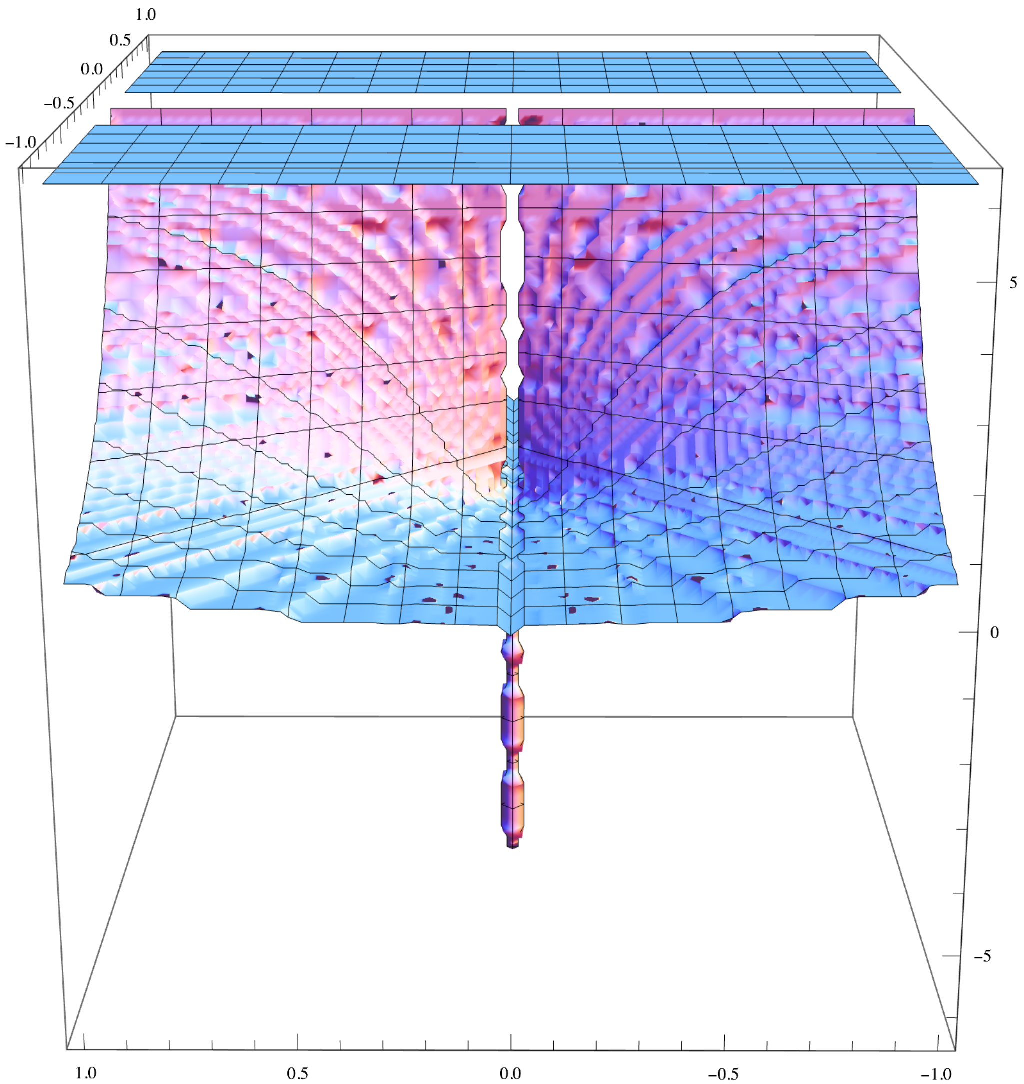
$$\text{Solve}\left[\frac{2\,\pi\,x}{2\,\pi-\theta}==\frac{1}{2}\,\sqrt{a^2+h^2+4\,x^2}\,,\,a\right]$$

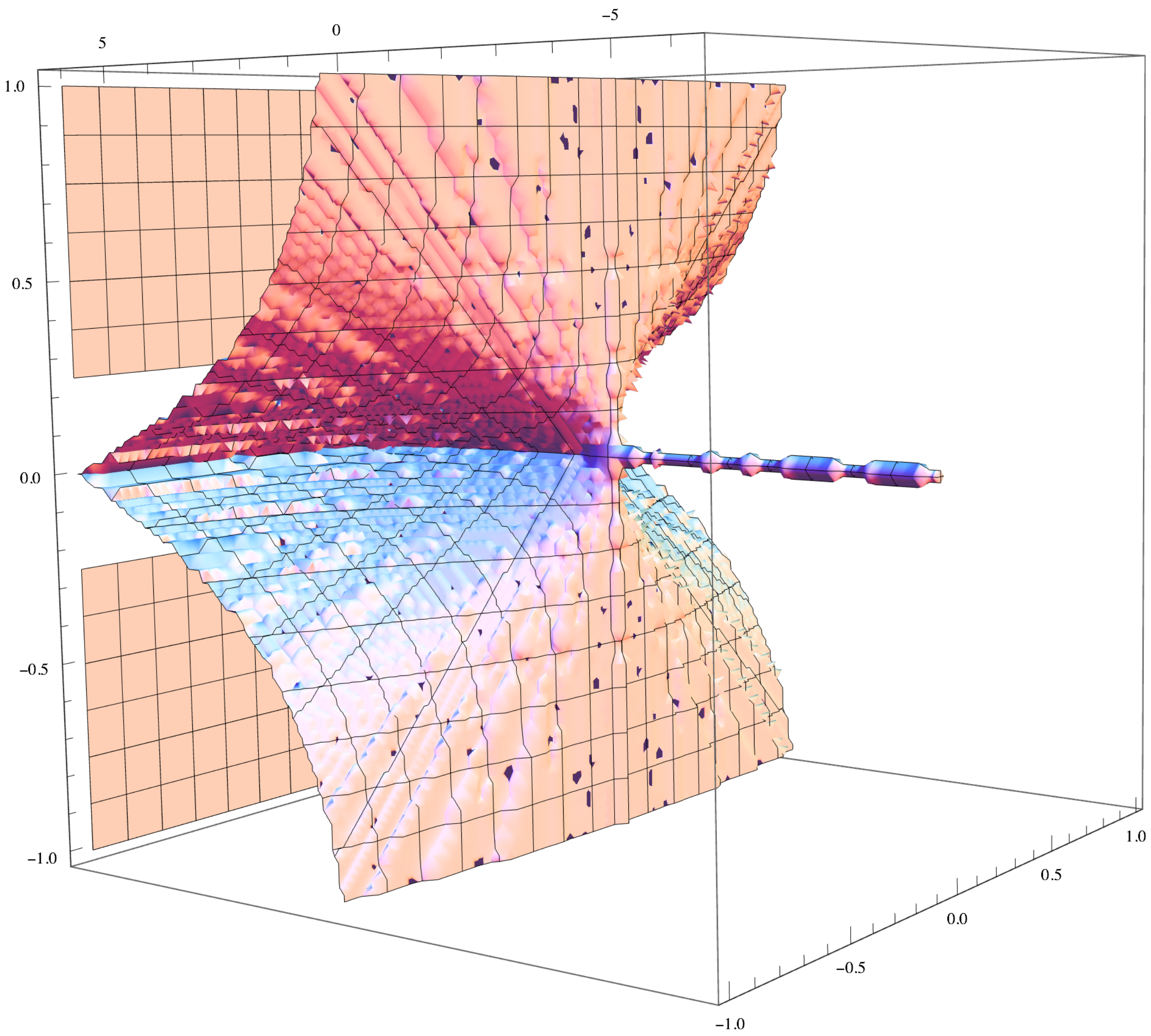
$$\left\{\left\{a\to-\frac{i\,\sqrt{4\,h^2\,\pi^2-4\,h^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+h^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\},\right.$$
$$\left.\left\{a\to\frac{i\,\sqrt{4\,h^2\,\pi^2-4\,h^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+h^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta}\right\}\right\}$$

$$\text{Solve}\left[\frac{2\,\pi\,x}{2\,\pi-\theta}==\frac{1}{2}\,\sqrt{a^2+h^2+4\,x^2}\,,\,\theta\right]$$

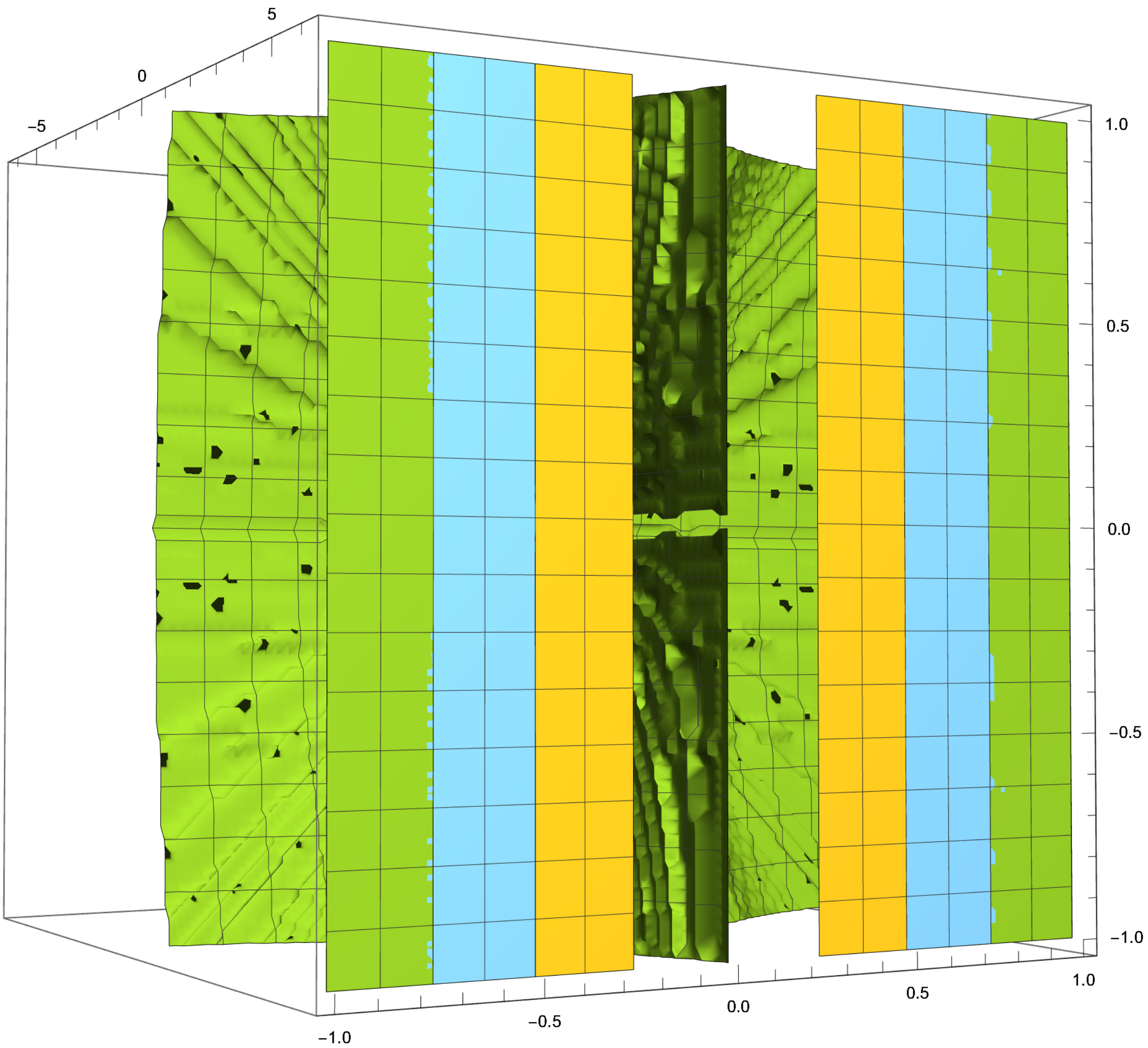
$$\left\{\left\{\theta\to2\,\pi\left(1-\frac{2\,x}{\sqrt{a^2+h^2+4\,x^2}}\right)\right\}\right\}$$

$$\text{ContourPlot3D}\left[\frac{i\,\sqrt{4\,a^2\,\pi^2-4\,a^2\,\pi\,\theta-16\,\pi\,x^2\,\theta+a^2\,\theta^2+4\,x^2\,\theta^2}}{-2\,\pi+\theta},\,\{x,-1,1\},\right.$$
$$\left.\{a,-1,1\},\,\{\theta,-2\,\pi,2\,\pi\},\,\text{PlotTheme}\to\{\text{"Classic"},\,\text{"ClassicLights"}\}\right]$$





5
0
−5
1.0
0.5
0.0
−0.5
−1.0
1.0
0.5
0.0
−0.5
−1.0




```
Solve[4 π r^2 - 4 π (r - a)^2 == π (a^2 + h^2), r]
```

$$\left\{\left\{r \to \frac{5\,a^2 + h^2}{8\,a}\right\}\right\}$$

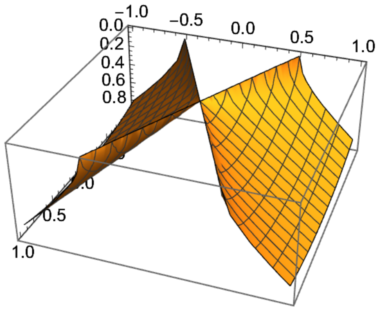
```
Solve[4 π r^2 - 4 π (r - a)^2 == π (a^2 + h^2), a]
```

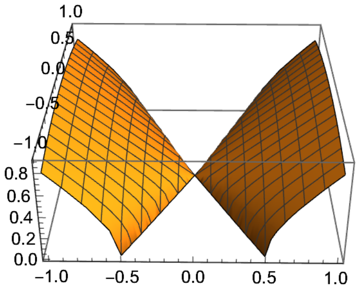
$$\left\{\left\{a \to \frac{1}{5}\left(4\,r - \sqrt{-5\,h^2 + 16\,r^2}\right)\right\}, \left\{a \to \frac{1}{5}\left(4\,r + \sqrt{-5\,h^2 + 16\,r^2}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (a)^2 == π (a^2 + h^2), a]
```

$$\left\{\left\{a \to -\frac{\sqrt{-h^2 + 4\,r^2}}{\sqrt{5}}\right\}, \left\{a \to \frac{\sqrt{-h^2 + 4\,r^2}}{\sqrt{5}}\right\}\right\}$$

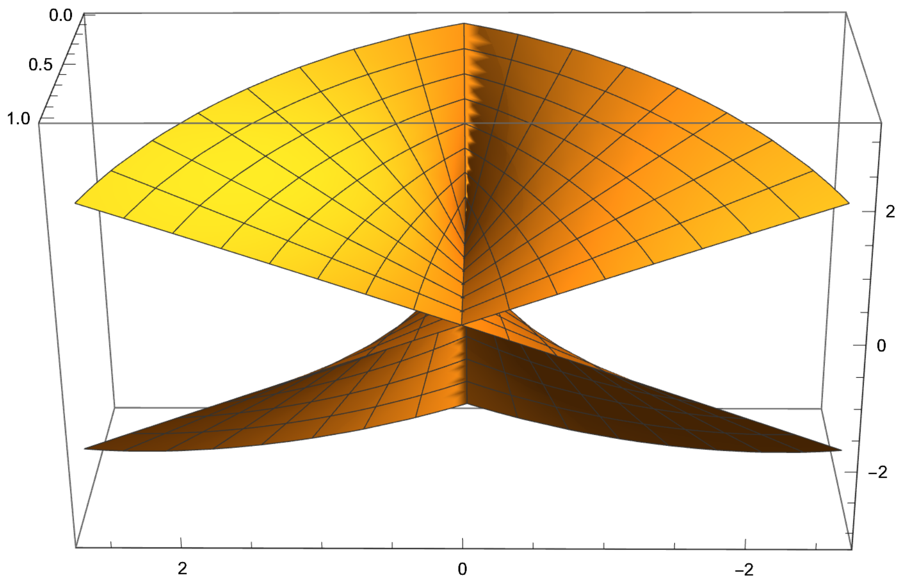
$$\texttt{Plot3D}\left[\frac{\sqrt{-h^2 + 4\,r^2}}{\sqrt{5}}, \{r, -1, 1\}, \{h, -1, 1\}\right]$$





If you include the primary height solution from, "The Cone of Perception," (Emmerson, 2009 - 2014), then you would get :

$$\texttt{RevolutionPlot3D}\left[\frac{\sqrt{-\left(\frac{\sqrt{4\,\pi\,r^2\,\theta-r^2\,\theta^2}}{2\,\pi}\right)^2+4\,r^2}}{\sqrt{5}},\ \{\theta,\,-1\,\pi,\,1\,\pi\},\ \{r,\,-1,\,1\}\right]$$



And, on an interesting note, the V - variable is not solvable from this solution if you were to attempt normal methods of v - curvature extraction, because the squaring of the height negates the phenomenon successfully.

$$\texttt{Solve}\left[\frac{\sqrt{-\left(\frac{\sqrt{r\,\sqrt{1-\frac{(v)^2}{c^2}}}\ \sqrt{\frac{\theta}{\sqrt{1-\frac{(v)^2}{c^2}}}}\ \sqrt{4\,\pi\,r-r\,\theta}}{2\,\pi}\right)^2+4\,r^2}}{\sqrt{5}}=\!=a,\ v\right]$$

{{}}

```
Solve[4 π r^2 - 4 π (r - h)^2 == π (a^2 + h^2), a]
```

$$\left\{\left\{a\to-\sqrt{-5\,h^2+8\,h\,r}\right\},\ \left\{a\to\sqrt{-5\,h^2+8\,h\,r}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (r - h)^2 == π (a^2 + h^2), h]
```

$$\left\{\left\{h \to \frac{1}{5}\left(4 r - \sqrt{-5 a^2 + 16 r^2}\right)\right\}, \left\{h \to \frac{1}{5}\left(4 r + \sqrt{-5 a^2 + 16 r^2}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (r - a)^2 == π (2 π r^2 (1 - Cos[θ])), a]
```

$$\left\{\left\{a \to \frac{1}{2}\left(2 r - \sqrt{2}\sqrt{2 r^2 - \pi r^2 + \pi r^2 \operatorname{Cos}[\theta]}\right)\right\}, \left\{a \to \frac{1}{2}\left(2 r + \sqrt{2}\sqrt{2 r^2 - \pi r^2 + \pi r^2 \operatorname{Cos}[\theta]}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (r - h)^2 == π (2 π r^2 (1 - Cos[θ])), h]
```

$$\left\{\left\{h \to \frac{1}{2}\left(2 r - \sqrt{2}\sqrt{2 r^2 - \pi r^2 + \pi r^2 \operatorname{Cos}[\theta]}\right)\right\}, \left\{h \to \frac{1}{2}\left(2 r + \sqrt{2}\sqrt{2 r^2 - \pi r^2 + \pi r^2 \operatorname{Cos}[\theta]}\right)\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (a)^2 == π (2 π r^2 (1 - Cos[θ])), a]
```

$$\left\{\left\{a \to -\frac{r\sqrt{2 - \pi + \pi \operatorname{Cos}[\theta]}}{\sqrt{2}}\right\}, \left\{a \to \frac{r\sqrt{2 - \pi + \pi \operatorname{Cos}[\theta]}}{\sqrt{2}}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (a)^2 == π (2 π r^2 (1 - Cos[θ])), r]
```

$$\left\{\left\{r \to -\frac{\sqrt{2}\, a}{\sqrt{2 - \pi + \pi \operatorname{Cos}[\theta]}}\right\}, \left\{r \to \frac{\sqrt{2}\, a}{\sqrt{2 - \pi + \pi \operatorname{Cos}[\theta]}}\right\}\right\}$$

Combine the Results : Solve[2 π r - 2 π x == θ r, r]
AND Solve[4 π r^2 - 4 π (x)^2 == π (π (2 π r^2 (1 - Cos[θ]))), r]

```
Solve[2 π r - 2 π x == θ r, r]
```

$$\left\{\left\{r \to \frac{2 \pi x}{2 \pi - \theta}\right\}\right\}$$

```
Solve[4 π r^2 - 4 π (x)^2 == π (π (2 π r^2 (1 - Cos[θ]))), r]
```

$$\left\{\left\{r \to -\frac{\sqrt{2}\, x}{\sqrt{2 - \pi^2 + \pi^2 \operatorname{Cos}[\theta]}}\right\}, \left\{r \to \frac{\sqrt{2}\, x}{\sqrt{2 - \pi^2 + \pi^2 \operatorname{Cos}[\theta]}}\right\}\right\}$$

5. Difference between Volumes of Two Spheres: Imaginary 4-D realms.

```
(4 / 3) π r^3 - (4 / 3) x^3 == π r^2 ((y + h) / 3) + (1 / 6) π h (3 a^2 + h^2)
```

$$\frac{4 \pi r^3}{3} - \frac{4 x^3}{3} == \frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \frac{1}{3} \pi r^2 (h + y)$$

$$\frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \frac{1}{3} \pi r^2 (h + y)$$

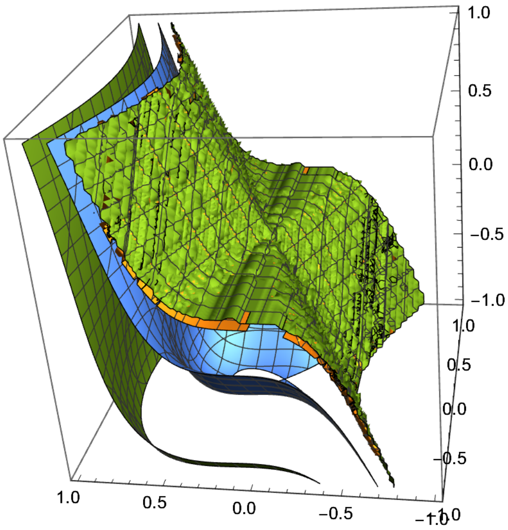
$$\frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \frac{1}{3} \pi r^2 (h + y)$$

$$\frac{4 \pi r^3}{3} - \frac{4 \pi x^3}{3} == \frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \frac{1}{3} \pi r^2 (h + y)$$

$$\text{Solve}\left[\frac{4 \pi r^3}{3} - \frac{4 \pi x^3}{3} == \frac{1}{6} h \left(3 a^2 + h^2\right) \pi + \pi r^2 (r - h) / 3, x\right]$$

$$\left\{\left\{x \to \frac{1}{2} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}\right\}, \left\{x \to -\frac{1}{2} (-1)^{1/3} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}\right\}, \left\{x \to \frac{1}{2} (-1)^{2/3} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}\right\}\right\}$$

$$\text{ContourPlot3D}\left[\frac{1}{2} \left(-3 a^2 h - h^3 + 2 h r^2 + 6 r^3\right)^{1/3}, \{r, -1, 1\}, \{h, -1, 1\}, \{a, -1, 1\}\right]$$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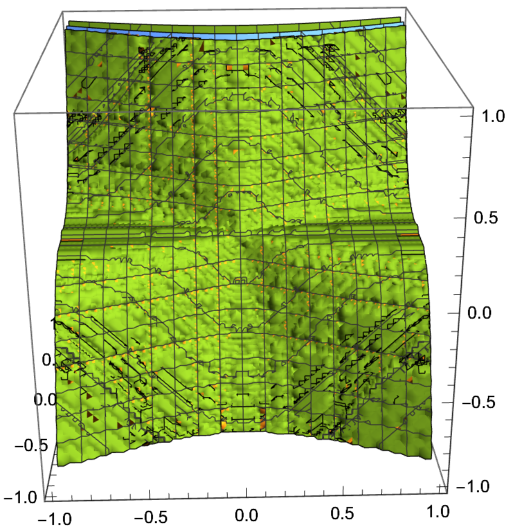
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−1.0
−0.5
0.0
0.5
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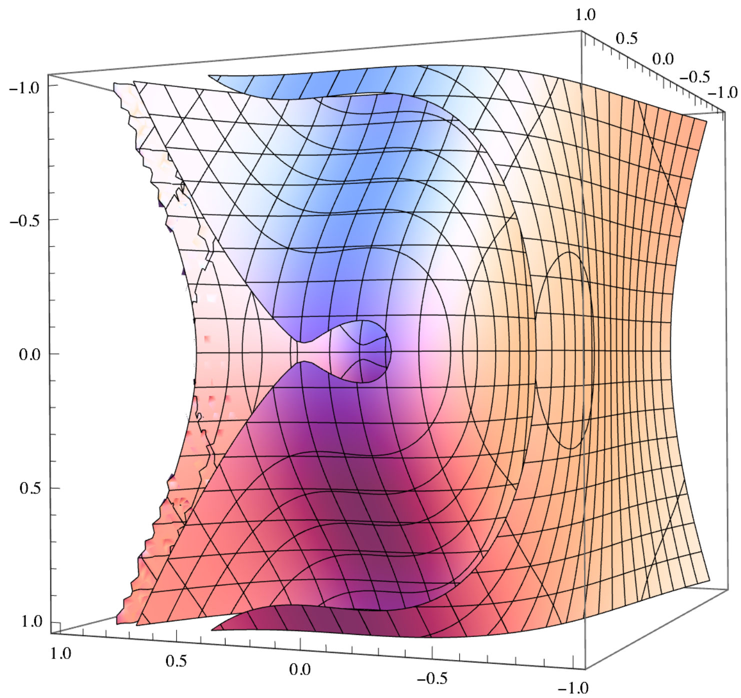
```
ContourPlot3D[1/2 (-1)^(2/3) (-3 a^2 h - h^3 + 2 h r^2 + 6 r^3)^(1/3), {r, -1, 1},
 {a, -1, 1}, {h, -1, 1}, PlotTheme → {"Classic", "ClassicLights"}]
```



$$\text{Solve}\left[\frac{4\,\pi\,r^3}{3}-\frac{4\,\pi\,x^3}{3}==\frac{1}{6}\,h\,\left(3\,a^2+h^2\right)\,\pi+\pi\,r^2\,(r-h)\,/\,3,\,r\right]$$

$$\left\{\left\{r\to-\frac{h}{9}+\frac{2\times 2^{1/3}\,h^2}{9\,\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}+\frac{\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{18\times 2^{1/3}}\right\},\right.$$

$$\left\{r\to-\frac{h}{9}-\frac{2^{1/3}\,\left(1+\mathbb{i}\,\sqrt{3}\right)\,h^2}{9\,\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}-\frac{\left(1-\mathbb{i}\,\sqrt{3}\right)\,\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{36\times 2^{1/3}}\right\},$$

$$\left.\left\{r\to-\frac{h}{9}-\frac{2^{1/3}\,\left(1-\mathbb{i}\,\sqrt{3}\right)\,h^2}{9\,\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}-\frac{\left(1+\mathbb{i}\,\sqrt{3}\right)\,\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{36\times 2^{1/3}}\right\}\right\}$$

ContourPlot3D[

$$\left\{-\frac{h}{9}+\frac{2\times 2^{1/3}\,h^2}{9\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}+\frac{\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{18\times 2^{1/3}},\right.$$

$$-\frac{h}{9}-\frac{2^{1/3}\left(1+i\sqrt{3}\right)h^2}{9\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}-\frac{\left(1-i\sqrt{3}\right)\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{36\times 2^{1/3}},$$

$$\left.-\frac{h}{9}-\frac{2^{1/3}\left(1-i\sqrt{3}\right)h^2}{9\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}-\frac{\left(1+i\sqrt{3}\right)\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{36\times 2^{1/3}}\right\}$$

, {h, -1, 1}, {a, -1, 1}, {x, -1, 1}, PlotTheme → {"Classic", "ClassicLights"}]

Power: Infinite expression $\frac{1}{0.}$ encountered.

Infinity: Indeterminate expression 0. $2^{1/3}$ ComplexInfinity encountered.

Power: Infinite expression $\frac{1}{0.}$ encountered.

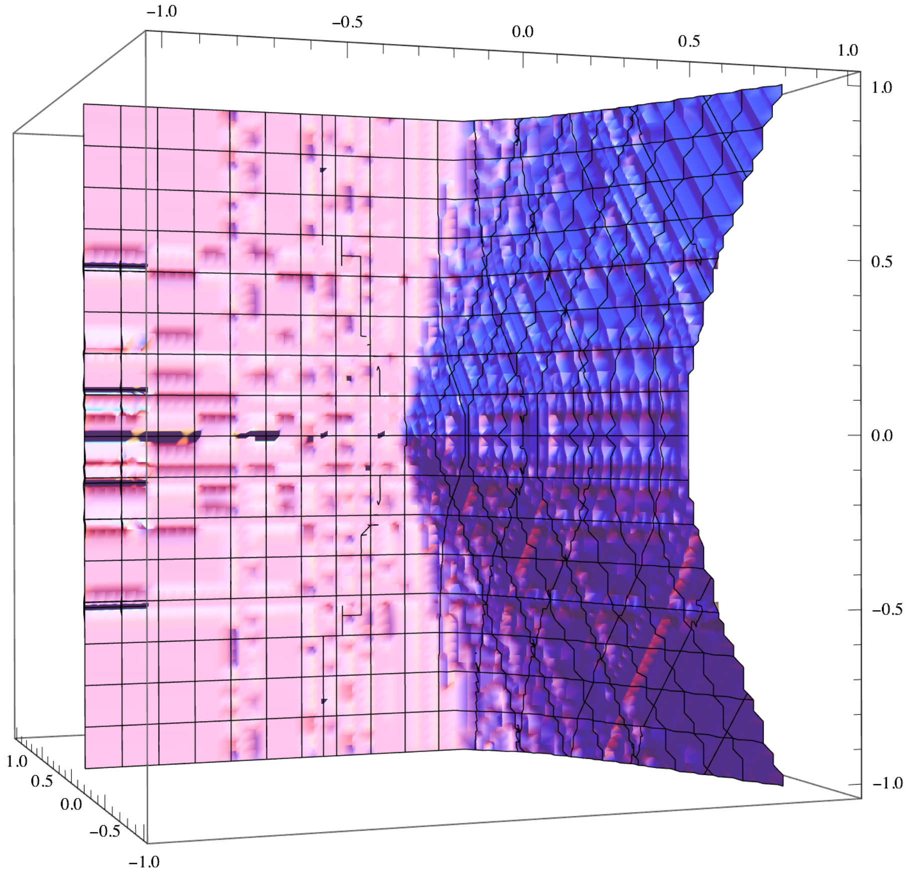
Infinity: Indeterminate expression 0. $2^{1/3}$ ComplexInfinity encountered.

Power: Infinite expression $\frac{1}{0.}$ encountered.

General: Further output of Power::infy will be suppressed during this calculation.

Infinity: Indeterminate expression 0. $2^{1/3}$ ComplexInfinity encountered.

General: Further output of Infinity::indet will be suppressed during this calculation.


−1.0
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```
ContourPlot3D[
```

$$-\frac{h}{9}+\frac{2\times 2^{1/3}\,h^2}{9\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}+\frac{\left(2916\,a^2\,h+956\,h^3+7776\,x^3+\sqrt{-256\,h^6+\left(2916\,a^2\,h+956\,h^3+7776\,x^3\right)^2}\right)^{1/3}}{18\times 2^{1/3}},$$

```
{h, -1, 1}, {a, -1, 1}, {x, -1, 1}, PlotTheme → {"Classic", "ClassicLights"}]
```

Power: Infinite expression $\frac{1}{0.}$ encountered.

Infinity: Indeterminate expression 0. $2^{1/3}$ ComplexInfinity encountered.

Power: Infinite expression $\frac{1}{0.}$ encountered.

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Power: Infinite expression $\frac{1}{0.}$ encountered.

General: Further output of Power::infy will be suppressed during this calculation.

Infinity: Indeterminate expression 0. $2^{1/3}$ ComplexInfinity encountered.

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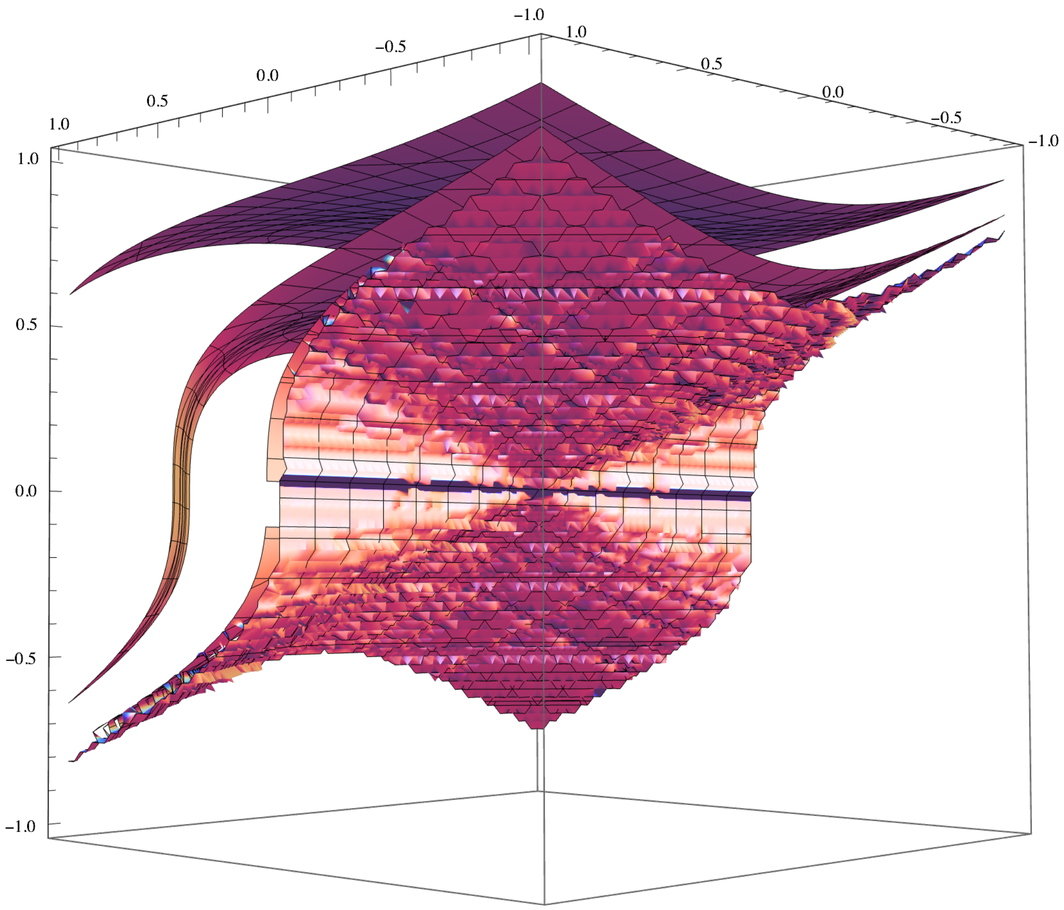


$$\text{Solve}\left[\frac{4\,\pi\,r^3}{3}-\frac{4\,\pi\,x^3}{3}==\frac{1}{6}h\left(3\,a^2+h^2\right)\pi+\pi\,r^2\,(r-h)\,/\,3,\,x\right]$$

$$\text{Solve}\left[\frac{4\,\pi\,r^3}{3}-\frac{4\,\pi\,x^3}{3}==\frac{1}{6}h\left(3\,a^2+h^2\right)\pi+\pi\,r^2\,(r-h)\,/\,3,\,x\right]$$

$$\text{Solve}\left[\frac{4\,\pi\,r^3}{3}-\frac{4\,\pi\,x^3}{3}==\frac{1}{6}h\left(3\,a^2+h^2\right)\pi+\pi\,r^2\,(r-h)\,/\,3,\,x\right]$$

$$\frac{1}{2}\left(-3\,a^2\,h-h^3+2\,h\,r^2+6\,r^3\right)^{1/3}$$

6. Locales of Infinity : The Place of ***Imagination*** and the Missing Components

6.1 A New Logic – Based Notation for Denoting Positions and Constraints in Algebraic Geometry

$$\exists\ \infty\ \ni\ :$$

$$\infty\left(\left(2\,\pi\right)_{\theta\to\emptyset_x}\right)\ \wedge$$

$$\infty\left(\infty_{\gamma}\to\left(\frac{1}{\infty}\right)_x\right)\rightleftharpoons\infty\left(\infty_r\to 0_{-\gamma}\right)\ \therefore\ 1\ \exists$$

"There exists infinity such that the two indicated meanings of infinity are at equilibrium with the composite system of infinity therefore the balance yields the existence of the number one."

- An infinity can come into space as a measurable angle insofaras an infinity can take form into space as finite distance (from the other direction), and thus they balance each other. And, in fact, it is most likely that this is a veritable explanation for the emergence of the existence of real numbers and their arithmetic from infinity - truly a phenomenon. When attempting to form a logical notation of/for infinity, normal concepts of proportionality, subtraction and addition are no longer applicable, except as components from which to draw conclusions as to the locations and meanings of variables with reference to infinity, zero and null-set. Philosophical Distinctions between eternity, forever, infinity, never ending and the mathematics of infinite forms are important to investigate, because too often they are used synonymously, when they have distinct indications for the very establishing of a basis of meaning.

The above statement/expression is a way of notating several relationships of

transcendental logic-tensoral, geometric transformations that could also be described as manifolds with limits at different meanings of infinity. Here, I will dissect each part of the statement and describe its particular significance as well as its respective correlation to a meaning of infinity. Combined in the way they are, these components yield a universal statement about how this perceived world is balanced between different meanings of infinity. Certainly, this opens up a new branch of expressing mathematical statements about introspections into infinity and its varying rates, indications for consciousness and meanings. In this way, and through conic heights as accelerations, we get to actually show how angles meld into lengths, and lengths meld into angles, merging actual conceptualizations of infinity through perceived spatiality to yield a method to understand the tapestry of reality; reality. This grants a platform for introspection into life and nature as well.

1. $\llcorner\infty_{((2\pi)_{\theta}\to\emptyset_{x})}$: References the original cone of perception transformation in which the difference between the circumferences of two circles equals an arc length of the minuend circle. In this system, infinity is not the commonly thought of idea of, "going on forever," but rather it is the idea that one can never get to a certain location, because at that supposed destination location, at least one of the relevant variables used to form the geometric / algebraic system goes to zero, thereby no longer existing and actually being Null Set, not just zero. Therefore, the destination of other variables cannot be reached, because the components used to give them meaning have been essentially erased. The right angle references the fact that a cone was constructed as an acceleration simile for those who still depend on concepts like time. With this notation, we get to develop a language for creating beings with actual understandings of meanings. $\theta r = 2\pi r - 2\pi x$.
2. $\llcorner\infty_{\left(\infty_{\gamma}\to\left(\frac{1}{\infty}\right)_{x}\right)}$: References the chapter in, "The Cone of Perception," (Emmerson, 2009 - 2014), entitled, "Revelations of An Infinite Angle," in which the difference between the circumferences of two circles equals an arc length of the subtrahend circle. The resulting implications of the algebra to the geometric framework paint a very different picture. Indeed,

in this system, there is an notion of one of the variables',
"going on forever." The variable notated by angle γ,
spirals around infinitely, while x gets ever smaller. However,
since γ always spirals around,
x never gets to zero unless it is designated as such,
meaning necessitating a value of zero. In this way,
we differentiate the meanings of null set and zero and for
a general notation describing the relationships between
kinds and rates of infinity therein. $\gamma x = 2\pi r - 2\pi x$.

Systems 1 and 2 above are actually superimposed upon each other.

3. $\infty_{(\infty_r \to 0_{-\gamma})}$:
References the key to the thought experiment implied by the former two expressions (metrics). Imagine if one were to start from the origin, reversing the, "perceived direction," of the equations that was present during their invention / derivation (for semantics sake ! mental formulation), instead of imagining that the circle is shrinking, folding up into a cone, imagining it is expanding from a point, expanding down into a cone from a line, finite or infinite. Say the line is finite, as it unfolds into a cone, θ can only go around one time before we, "land," with a circle that has a radius equal to the line from which the cone began to unfold, while γ would have had to have gone around infinite times before yielding a flat circle. However, we know that we can go across distances, and that distances can almost certainly be real ;), so what we do is we keep going, expanding the circle, but if we imagine we can keep going γ would be negative (-). Indeed, this creates a balance between infinity' s coming toward the center and infinity' s expanding out from the center to yield, "oneness." If someone can count forward from zero, so, too then they must be able to count backward from infinity, and as infinity goes toward balance with the infinitessimal, the equilibrium approaches the realm of measurable numbers. So, too, then, does the imaginary negative of angle γ approach zero (depending on the directionality from which one conceptualizes progression of the angle). As the radius gets to, "one," or whatever is the destination set by the perceiver of finite distance,

we have conceptually broken beyond the infinity of γ,
having reached a value of $\gamma = 0$,
which is infinitly away from $\gamma = \infty$,
the origin in the thought experiment.

It is appropriate that we reconsider the origin of the Universe as something finite, and consider that we may have come from a being who is infinite, beyond all present understanding of the meaning of infinity, but whom gives us consciousness to better understand the logic of creation and the meanings of infinity.

As much as this serves as a great way to notate these concepts, it' s not too much useful in forming calculations, as we currently do not have enough information in this field to craft the computational tools required for performing such investigations, but one day, we will, and in fact, we can use many of the forms discovered within these equations and transformations to put together functional machines and computer chips capable of rendering these equations on a, "quantum level."

Philosophically consider from a more pragmatic perspective as well - as one walks from point A to point B (insofar as something can be ***imagined*** to travel in a straight line), infinity has unfurled to zero by the time you get to point B, continuing on, therefore, if you were in the same contiguous system, requires that one go into a negative γ, "territory." It is from this concept that we can bridge into Tachyon particles and reversing time, the mathematics of which is plausible from at least one insight.

For instance, here we have the equations :

A) $\mathcal{H}1 == r + r(\gamma)$, B) $\mathcal{H}2 == r(\gamma)/x$, C) $\mathcal{H}3 == r + x$

Stipulating that you have a radius, and you intend to add a given quantity to it as you exceed the initial bounds of the cone transformation, which is how the phenomenological reduction outlined in, "The Cone of Perception," (Emmerson, 2009 - 2014), comes into play. To recap - occasionally we can set aside the existence or non existence of a given system simply to utilize the forms or formulas derived therein and apply them logically to other expansive theories.

- **Essentially, I theorize that to exceed the speed of light, one must exceed the rate of infinity in your present reference frame, as some infinities are, “faster,” than others, or operate with different, “acceleration,” or, “torque,” and we must also change the conception of what velocity is, for when one realizes that higher dimensions are within the very framework of even basic geometry to begin with, the eradication of the simplistic concepts of time naturally undo Newtonian and even Relativistic concepts of Velocity.**

The trick is to get a distance - length parameter to increase as an angular parameter increases, and for making sure we are combining apples and apples, the length parameter has to be straight, preferably not curved for demonstrations purposes. However, arc length formulas don' t even require that the relevant length be curved. There is nothing specifying the shape of the length or the path of the length.

6.2 Investigations of $\infty_{(\infty_r \to 0_{-\gamma})}$,

Significations of Section 6.1 A)

$\mathcal{H}1 == r + r\ (\gamma)$

$$\text{Solve}\left[\mathcal{H} == r + r\left(-\frac{2\left(-\pi r + \pi\sqrt{-h^2 + r^2}\right)}{\sqrt{-h^2 + r^2}}\right), r\right]$$

$$
\begin{aligned}
&\Big\{\Big\{r \to \frac{(-1+2\pi)\,\mathcal{H}}{2\,(-1+4\pi)} - \frac{1}{2}\surd\Bigg(\frac{(-1+2\pi)^2\,\mathcal{H}^2}{(-1+4\pi)^2} - \frac{2\left(h^2 - 4h^2\pi + 4h^2\pi^2 - \mathcal{H}^2\right)}{3\,(-1+4\pi)} + \\
&\quad \Big(2^{1/3}\left(h^4\left(1 - 8\pi + 24\pi^2 - 32\pi^3 + 16\pi^4\right) + h^2\left(-2 + 8\pi + 40\pi^2\right)\mathcal{H}^2 + \mathcal{H}^4\right)\Big) \Big/ \\
&\quad \Big(3\,(-1+4\pi)\,\Big(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + h^4 \\
&\qquad \left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2 \\
&\qquad \mathcal{H}^6 + \surd\big(1728\,h^8\pi^2\mathcal{H}^4 - 20\,736\,h^8\pi^3\mathcal{H}^4 + 96\,768\,h^8\pi^4\mathcal{H}^4 - 221\,184\,h^8\pi^5\mathcal{H}^4 + \\
&\qquad 248\,832\,h^8\pi^6\mathcal{H}^4 - 110\,592\,h^8\pi^7\mathcal{H}^4 - 5184\,h^6\pi^2\mathcal{H}^6 + 41\,472\,h^6\pi^3\mathcal{H}^6 + \\
&\qquad 13\,824\,h^6\pi^4\mathcal{H}^6 - 387\,072\,h^6\pi^5\mathcal{H}^6 + 27\,648\,h^6\pi^6\mathcal{H}^6 + 5184\,h^4\pi^2\mathcal{H}^8 - \\
&\qquad 20\,736\,h^4\pi^3\mathcal{H}^8 + 76\,032\,h^4\pi^4\mathcal{H}^8 - 1728\,h^2\pi^2\mathcal{H}^{10}\big)\Big)^{1/3}\Big) + \\
&\quad \frac{1}{3\times 2^{1/3}\,(-1+4\pi)}\Big(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + \\
&\qquad h^4\left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2\mathcal{H}^6 + \\
&\qquad \surd\big(1728\,h^8\pi^2\mathcal{H}^4 - 20\,736\,h^8\pi^3\mathcal{H}^4 + 96\,768\,h^8\pi^4\mathcal{H}^4 - 221\,184\,h^8\pi^5\mathcal{H}^4 + \\
&\qquad 248\,832\,h^8\pi^6\mathcal{H}^4 - 110\,592\,h^8\pi^7\mathcal{H}^4 - 5184\,h^6\pi^2\mathcal{H}^6 + 41\,472\,h^6\pi^3\mathcal{H}^6 + \\
&\qquad 13\,824\,h^6\pi^4\mathcal{H}^6 - 387\,072\,h^6\pi^5\mathcal{H}^6 + 27\,648\,h^6\pi^6\mathcal{H}^6 + 5184\,h^4\pi^2\mathcal{H}^8 - \\
&\qquad 20\,736\,h^4\pi^3\mathcal{H}^8 + 76\,032\,h^4\pi^4\mathcal{H}^8 - 1728\,h^2\pi^2\mathcal{H}^{10}\big)\Big)^{1/3}\Bigg) - \\
&\frac{1}{2}\surd\Bigg(\frac{2\,(-1+2\pi)^2\,\mathcal{H}^2}{(-1+4\pi)^2} - \frac{4\left(h^2 - 4h^2\pi + 4h^2\pi^2 - \mathcal{H}^2\right)}{3\,(-1+4\pi)} - \\
&\quad \Big(2^{1/3}\left(h^4\left(1 - 8\pi + 24\pi^2 - 32\pi^3 + 16\pi^4\right) + h^2\left(-2 + 8\pi + 40\pi^2\right)\mathcal{H}^2 + \mathcal{H}^4\right)\Big) \Big/ \\
&\quad \Big(3\,(-1+4\pi)\,\Big(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + h^4 \\
&\qquad \left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2 \\
&\qquad \mathcal{H}^6 + \surd\big(1728\,h^8\pi^2\mathcal{H}^4 - 20\,736\,h^8\pi^3\mathcal{H}^4 + 96\,768\,h^8\pi^4\mathcal{H}^4 - 221\,184\,h^8\pi^5\mathcal{H}^4 + \\
&\qquad 248\,832\,h^8\pi^6\mathcal{H}^4 - 110\,592\,h^8\pi^7\mathcal{H}^4 - 5184\,h^6\pi^2\mathcal{H}^6 + 41\,472\,h^6\pi^3\mathcal{H}^6 + \\
&\qquad 13\,824\,h^6\pi^4\mathcal{H}^6 - 387\,072\,h^6\pi^5\mathcal{H}^6 + 27\,648\,h^6\pi^6\mathcal{H}^6 + 5184\,h^4\pi^2\mathcal{H}^8 - \\
&\qquad 20\,736\,h^4\pi^3\mathcal{H}^8 + 76\,032\,h^4\pi^4\mathcal{H}^8 - 1728\,h^2\pi^2\mathcal{H}^{10}\big)\Big)^{1/3}\Big) - \\
&\quad \frac{1}{3\times 2^{1/3}\,(-1+4\pi)}\Big(h^6\left(2 - 24\pi + 120\pi^2 - 320\pi^3 + 480\pi^4 - 384\pi^5 + 128\pi^6\right) + \\
&\qquad h^4\left(-6 + 48\pi - 384\pi^3 + 480\pi^4\right)\mathcal{H}^2 + h^2\left(6 - 24\pi + 312\pi^2\right)\mathcal{H}^4 - 2\mathcal{H}^6 + \\
&\qquad \surd\big(1728\,h^8\pi^2\mathcal{H}^4 - 20\,736\,h^8\pi^3\mathcal{H}^4 + 96\,768\,h^8\pi^4\mathcal{H}^4 - 221\,184\,h^8\pi^5\mathcal{H}^4 + \\
&\qquad 248\,832\,h^8\pi^6\mathcal{H}^4 - 110\,592\,h^8\pi^7\mathcal{H}^4 - 5184\,h^6\pi^2\mathcal{H}^6 + 41\,472\,h^6\pi^3\mathcal{H}^6 +
\end{aligned}
$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 - 20\,736$$
$$h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}))^{1/3} - \Big(-\frac{16\,h^2\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi} +$$
$$\frac{8\,(-1+2\,\pi)^3\,\mathcal{H}^3}{(-1+4\,\pi)^3} - \frac{8\,(-1+2\,\pi)\,\mathcal{H}\,(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2)}{(-1+4\,\pi)^2}\Big) \Big/$$
$$\Big(4\,\sqrt{}\Big(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2)}{3\,(-1+4\,\pi)} +$$
$$(2^{1/3}\,(h^4\,(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4) + h^2\,(-2 + 8\,\pi + 40\,\pi^2)\,\mathcal{H}^2 + \mathcal{H}^4)) \Big/$$
$$(3\,(-1+4\,\pi)\,(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) +$$
$$h^4\,(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 -$$
$$2\,\mathcal{H}^6 + \sqrt{}(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 -$$
$$221\,184\,h^8\,\pi^5\,\mathcal{H}^4 + 248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 -$$
$$5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 + 13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072$$
$$h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 - 20\,736\,h^4\,\pi^3\,\mathcal{H}^8 +$$
$$76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}))^{1/3}) + \frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}$$
$$(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) +$$
$$h^4\,(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 -$$
$$2\,\mathcal{H}^6 + \sqrt{}(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 -$$
$$221\,184\,h^8\,\pi^5\,\mathcal{H}^4 + 248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 -$$
$$5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 + 13\,824\,h^6\,\pi^4\,\mathcal{H}^6 -$$
$$387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$
$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}))^{1/3}\Big)\Big)\Big)\Big)\Big\},$$

$$\Big\{r \to \frac{(-1+2\,\pi)\,\mathcal{H}}{2\,(-1+4\,\pi)} - \frac{1}{2}\,\sqrt{}\Big(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2)}{3\,(-1+4\,\pi)} +$$
$$(2^{1/3}\,(h^4\,(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4) + h^2\,(-2 + 8\,\pi + 40\,\pi^2)\,\mathcal{H}^2 + \mathcal{H}^4)) \Big/$$
$$(3\,(-1+4\,\pi)\,(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) + h^4$$
$$(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 - 2$$
$$\mathcal{H}^6 + \sqrt{}(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +$$
$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$
$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$
$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}))^{1/3}) +$$
$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) +$$
$$h^4\,(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 - 2\,\mathcal{H}^6 +$$
$$\sqrt{}(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +$$
$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg)+$$

$$\frac{1}{2}\sqrt{\Bigg(\frac{2\,(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2}-\frac{4\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\,\pi)}-}$$

$$\left(2^{1/3}\left(h^4\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\left(-2+8\,\pi+40\,\pi^2\right)\mathcal{H}^2+\mathcal{H}^4\right)\right)\Big/$$

$$\Big(3\,(-1+4\,\pi)\,\Big(h^6\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4$$

$$\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\mathcal{H}^2+h^2\left(6-24\,\pi+312\,\pi^2\right)\mathcal{H}^4-2$$

$$\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big)-$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\Big(h^6\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+$$

$$h^4\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\mathcal{H}^2+h^2\left(6-24\,\pi+312\,\pi^2\right)\mathcal{H}^4-2\,\mathcal{H}^6+$$

$$\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736$$

$$h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}-\Bigg(-\frac{16\,h^2\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi}+$$

$$\frac{8\,(-1+2\,\pi)^3\,\mathcal{H}^3}{(-1+4\,\pi)^3}-\frac{8\,(-1+2\,\pi)\,\mathcal{H}\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{(-1+4\,\pi)^2}\Bigg)\Big/$$

$$\Bigg(4\sqrt{\Bigg(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2}-\frac{2\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\,\pi)}+}$$

$$\left(2^{1/3}\left(h^4\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\left(-2+8\,\pi+40\,\pi^2\right)\mathcal{H}^2+\mathcal{H}^4\right)\right)\Big/$$

$$\Big(3\,(-1+4\,\pi)\,\Big(h^6\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+$$

$$h^4\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\mathcal{H}^2+h^2\left(6-24\,\pi+312\,\pi^2\right)\mathcal{H}^4-$$

$$2\,\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-}$$

$$221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-$$

$$5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072$$

$$h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\,h^4\,\pi^3\,\mathcal{H}^8+$$

$$76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big)+\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}$$

$$\Big(h^6\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+$$

$$h^4\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\mathcal{H}^2+h^2\left(6-24\,\pi+312\,\pi^2\right)\mathcal{H}^4-$$

$$2\,\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-}$$

$$221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-$$

$$5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-$$

$$387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg)\Big\},$$

$$\Big\{r \to \frac{(-1+2\,\pi)\,\mathcal{H}}{2\,(-1+4\,\pi)} + \frac{1}{2}\surd\Bigg(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{2\,(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2)}{3\,(-1+4\,\pi)} +$$

$$\Big(2^{1/3}\,\big(h^4\,(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4) + h^2\,(-2 + 8\,\pi + 40\,\pi^2)\,\mathcal{H}^2 + \mathcal{H}^4\big)\Big)\Big/$$

$$\Big(3\,(-1+4\,\pi)\,\Big(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) + h^4$$

$$(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 - 2$$

$$\mathcal{H}^6 + \surd\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\Big(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) +$$

$$h^4\,(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 - 2\,\mathcal{H}^6 +$$

$$\surd\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg) -$$

$$\frac{1}{2}\surd\Bigg(\frac{2\,(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2} - \frac{4\,(h^2 - 4\,h^2\,\pi + 4\,h^2\,\pi^2 - \mathcal{H}^2)}{3\,(-1+4\,\pi)} -$$

$$\Big(2^{1/3}\,\big(h^4\,(1 - 8\,\pi + 24\,\pi^2 - 32\,\pi^3 + 16\,\pi^4) + h^2\,(-2 + 8\,\pi + 40\,\pi^2)\,\mathcal{H}^2 + \mathcal{H}^4\big)\Big)\Big/$$

$$\Big(3\,(-1+4\,\pi)\,\Big(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) + h^4$$

$$(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 - 2$$

$$\mathcal{H}^6 + \surd\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 -$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big) -$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\Big(h^6\,(2 - 24\,\pi + 120\,\pi^2 - 320\,\pi^3 + 480\,\pi^4 - 384\,\pi^5 + 128\,\pi^6) +$$

$$h^4\,(-6 + 48\,\pi - 384\,\pi^3 + 480\,\pi^4)\,\mathcal{H}^2 + h^2\,(6 - 24\,\pi + 312\,\pi^2)\,\mathcal{H}^4 - 2\,\mathcal{H}^6 +$$

$$\surd\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4 - 20\,736\,h^8\,\pi^3\,\mathcal{H}^4 + 96\,768\,h^8\,\pi^4\,\mathcal{H}^4 - 221\,184\,h^8\,\pi^5\,\mathcal{H}^4 +$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4 - 110\,592\,h^8\,\pi^7\,\mathcal{H}^4 - 5184\,h^6\,\pi^2\,\mathcal{H}^6 + 41\,472\,h^6\,\pi^3\,\mathcal{H}^6 +$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6 - 387\,072\,h^6\,\pi^5\,\mathcal{H}^6 + 27\,648\,h^6\,\pi^6\,\mathcal{H}^6 + 5184\,h^4\,\pi^2\,\mathcal{H}^8 - 20\,736$$

$$h^4\,\pi^3\,\mathcal{H}^8 + 76\,032\,h^4\,\pi^4\,\mathcal{H}^8 - 1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3} + \Bigg(-\frac{16\,h^2\,(-1+2\,\pi)\,\mathcal{H}}{-1+4\,\pi} +$$

$$\frac{8\,(-1+2\,\pi)^3\,\mathcal{H}^3}{(-1+4\,\pi)^3}-\frac{8\,(-1+2\,\pi)\,\mathcal{H}\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{(-1+4\,\pi)^2}\Bigg)\Bigg/$$

$$\Bigg(4\,\sqrt{\Bigg(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2}-\frac{2\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\,\pi)}+}$$

$$\left(2^{1/3}\,\left(h^4\,\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\,\left(-2+8\,\pi+40\,\pi^2\right)\,\mathcal{H}^2+\mathcal{H}^4\right)\right)\Big/$$

$$\Big(3\,(-1+4\,\pi)\,\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+$$

$$h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-$$

$$2\,\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-}$$

$$221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-$$

$$5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072$$

$$h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\,h^4\,\pi^3\,\mathcal{H}^8+$$

$$76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big)+\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}$$

$$\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+$$

$$h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-$$

$$2\,\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-}$$

$$221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-$$

$$5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-$$

$$387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg\},$$

$$\Bigg\{r\to\frac{(-1+2\,\pi)\,\mathcal{H}}{2\,(-1+4\,\pi)}+\frac{1}{2}\,\sqrt{\Bigg(\frac{(-1+2\,\pi)^2\,\mathcal{H}^2}{(-1+4\,\pi)^2}-\frac{2\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\,\pi)}+}$$

$$\left(2^{1/3}\,\left(h^4\,\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\,\left(-2+8\,\pi+40\,\pi^2\right)\,\mathcal{H}^2+\mathcal{H}^4\right)\right)\Big/$$

$$\Big(3\,(-1+4\,\pi)\,\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4$$

$$\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2$$

$$\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{3\times 2^{1/3}\,(-1+4\,\pi)}\,\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+$$

$$h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\,\mathcal{H}^6+$$

$$\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+}$$

$$248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+$$

$$13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-$$

$$20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg)+$$

$$
\begin{aligned}
&\frac{1}{2}\sqrt{\Bigg(\frac{2\,(-1+2\pi)^2\,\mathcal{H}^2}{(-1+4\pi)^2}-\frac{4\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\pi)}-}\\
&\quad\Big(2^{1/3}\,\left(h^4\,\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\,\left(-2+8\,\pi+40\,\pi^2\right)\,\mathcal{H}^2+\mathcal{H}^4\right)\Big)\Big/\\
&\quad\Big(3\,(-1+4\pi)\,\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+h^4\\
&\qquad\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\\
&\qquad\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+}\\
&\qquad\quad 248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+\\
&\qquad\quad 13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-\\
&\qquad\quad 20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big)-\\
&\quad\frac{1}{3\times 2^{1/3}\,(-1+4\pi)}\,\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+\\
&\qquad h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-2\,\mathcal{H}^6+\\
&\qquad\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-221\,184\,h^8\,\pi^5\,\mathcal{H}^4+}\\
&\qquad\quad 248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+\\
&\qquad\quad 13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\\
&\qquad\quad h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}+\Bigg(-\frac{16\,h^2\,(-1+2\pi)\,\mathcal{H}}{-1+4\pi}+\\
&\qquad\frac{8\,(-1+2\pi)^3\,\mathcal{H}^3}{(-1+4\pi)^3}-\frac{8\,(-1+2\pi)\,\mathcal{H}\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{(-1+4\pi)^2}\Bigg)\Big/\\
&\quad\Bigg(4\sqrt{\Bigg(\frac{(-1+2\pi)^2\,\mathcal{H}^2}{(-1+4\pi)^2}-\frac{2\,\left(h^2-4\,h^2\,\pi+4\,h^2\,\pi^2-\mathcal{H}^2\right)}{3\,(-1+4\pi)}+}\\
&\qquad\Big(2^{1/3}\,\left(h^4\,\left(1-8\,\pi+24\,\pi^2-32\,\pi^3+16\,\pi^4\right)+h^2\,\left(-2+8\,\pi+40\,\pi^2\right)\,\mathcal{H}^2+\mathcal{H}^4\right)\Big)\Big/\\
&\qquad\Big(3\,(-1+4\pi)\,\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+\\
&\qquad\quad h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-\\
&\qquad\quad 2\,\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-}\\
&\qquad\qquad 221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-\\
&\qquad\qquad 5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-387\,072\\
&\qquad\qquad h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-20\,736\,h^4\,\pi^3\,\mathcal{H}^8+\\
&\qquad\qquad 76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Big)+\frac{1}{3\times 2^{1/3}\,(-1+4\pi)}\\
&\qquad\Big(h^6\,\left(2-24\,\pi+120\,\pi^2-320\,\pi^3+480\,\pi^4-384\,\pi^5+128\,\pi^6\right)+\\
&\qquad\quad h^4\,\left(-6+48\,\pi-384\,\pi^3+480\,\pi^4\right)\,\mathcal{H}^2+h^2\,\left(6-24\,\pi+312\,\pi^2\right)\,\mathcal{H}^4-\\
&\qquad\quad 2\,\mathcal{H}^6+\sqrt{\Big(1728\,h^8\,\pi^2\,\mathcal{H}^4-20\,736\,h^8\,\pi^3\,\mathcal{H}^4+96\,768\,h^8\,\pi^4\,\mathcal{H}^4-}\\
&\qquad\qquad 221\,184\,h^8\,\pi^5\,\mathcal{H}^4+248\,832\,h^8\,\pi^6\,\mathcal{H}^4-110\,592\,h^8\,\pi^7\,\mathcal{H}^4-\\
&\qquad\qquad 5184\,h^6\,\pi^2\,\mathcal{H}^6+41\,472\,h^6\,\pi^3\,\mathcal{H}^6+13\,824\,h^6\,\pi^4\,\mathcal{H}^6-\\
&\qquad\qquad 387\,072\,h^6\,\pi^5\,\mathcal{H}^6+27\,648\,h^6\,\pi^6\,\mathcal{H}^6+5184\,h^4\,\pi^2\,\mathcal{H}^8-\\
&\qquad\qquad 20\,736\,h^4\,\pi^3\,\mathcal{H}^8+76\,032\,h^4\,\pi^4\,\mathcal{H}^8-1728\,h^2\,\pi^2\,\mathcal{H}^{10}\Big)\Big)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg\}\Bigg\}
\end{aligned}
$$

$$\text{Solve}\left[r + r\sqrt{\left(-\frac{2\left(-\pi r+\pi\sqrt{-h^2+r^2}\right)}{\sqrt{-h^2+r^2}}\right)\frac{2\left(\pi-\pi\,\text{Sin}[\beta]^2+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)}{-1+\text{Sin}[\beta]^2}} == r\Big/\left(\frac{2\pi r}{2\pi+\frac{2\left(\pi-\pi\,\text{Sin}[\beta]^2+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)}{-1+\text{Sin}[\beta]^2}}\right)+\frac{2\pi\theta}{2\pi-\theta}\,r,\ r\right]$$

$$\Bigg\{\Bigg\{\theta\to\Bigg(2\pi^2 r-2\pi^2 r\,\text{Sin}[\beta]^2+2\pi^2\sqrt{1-\text{Sin}[\beta]^2}+4\pi^{5/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-4\pi^{5/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\Bigg)\Big/\Bigg(\pi r+2\pi^2 r-\pi r\,\text{Sin}[\beta]^2-2\pi^2 r\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}+2\pi^{3/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-2\pi^{3/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\Bigg)\Bigg\}\Bigg\}$$

$$\text{ContourPlot3D}\Bigg[\Bigg(2\pi^2 r-2\pi^2 r\,\text{Sin}[\beta]^2+2\pi^2\sqrt{1-\text{Sin}[\beta]^2}+4\pi^{5/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-4\pi^{5/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\Bigg)\Big/\Bigg(\pi r+2\pi^2 r-\pi r\,\text{Sin}[\beta]^2-2\pi^2 r\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}+2\pi^{3/2} r\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}-2\pi^{3/2} r\,\text{Sin}[\beta]^2\sqrt{\frac{\left(h^2-r^2+r\sqrt{-h^2+r^2}\right)\left(\pi-\pi\,\text{Sin}[\beta]^2+\pi\sqrt{1-\text{Sin}[\beta]^2}\right)}{\left(-h^2+r^2\right)\left(-1+\text{Sin}[\beta]^2\right)}}\Bigg),\ \{r,-1,1\},\{h,-1,1\},\{\beta,-\pi/2,\pi/2\},\ \text{PlotTheme}\to\{\text{"Classic"},\text{"ClassicLights"}\}\Bigg]$$

··· Power: Infinite expression $\frac{1}{0.}$ encountered.

··· Infinity: Indeterminate expression 0. ComplexInfinity encountered.

··· Power: Infinite expression $\frac{1}{0.}$ encountered.

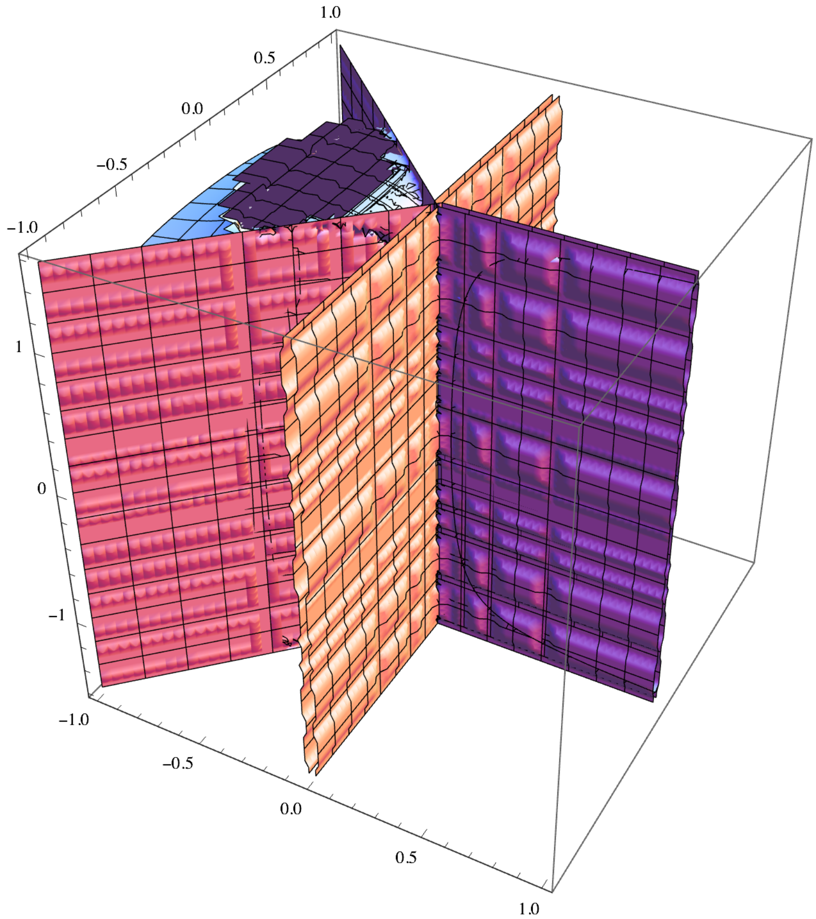
··· Infinity: Indeterminate expression 0. ComplexInfinity encountered.

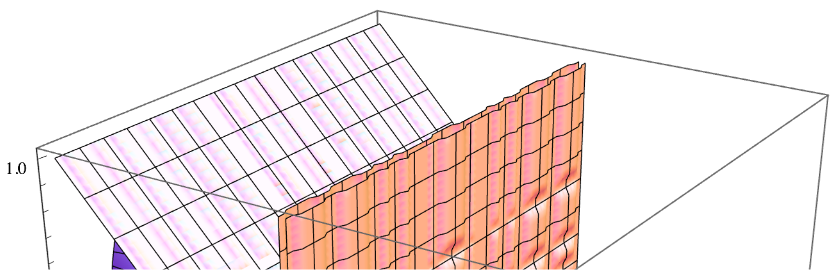
··· Power: Infinite expression $\frac{1}{0.}$ encountered.

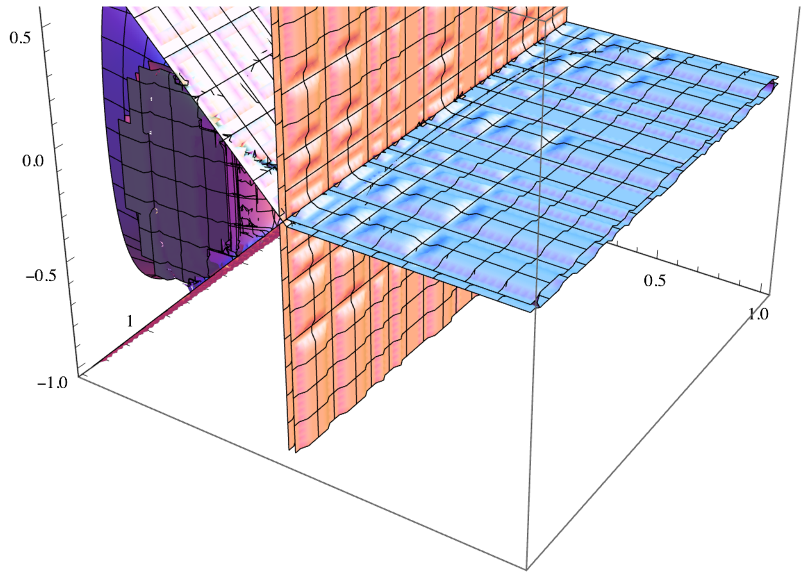
··· General: Further output of Power::infy will be suppressed during this calculation.

··· Infinity: Indeterminate expression 0. ComplexInfinity encountered.

··· General: Further output of Infinity::indet will be suppressed during this calculation.



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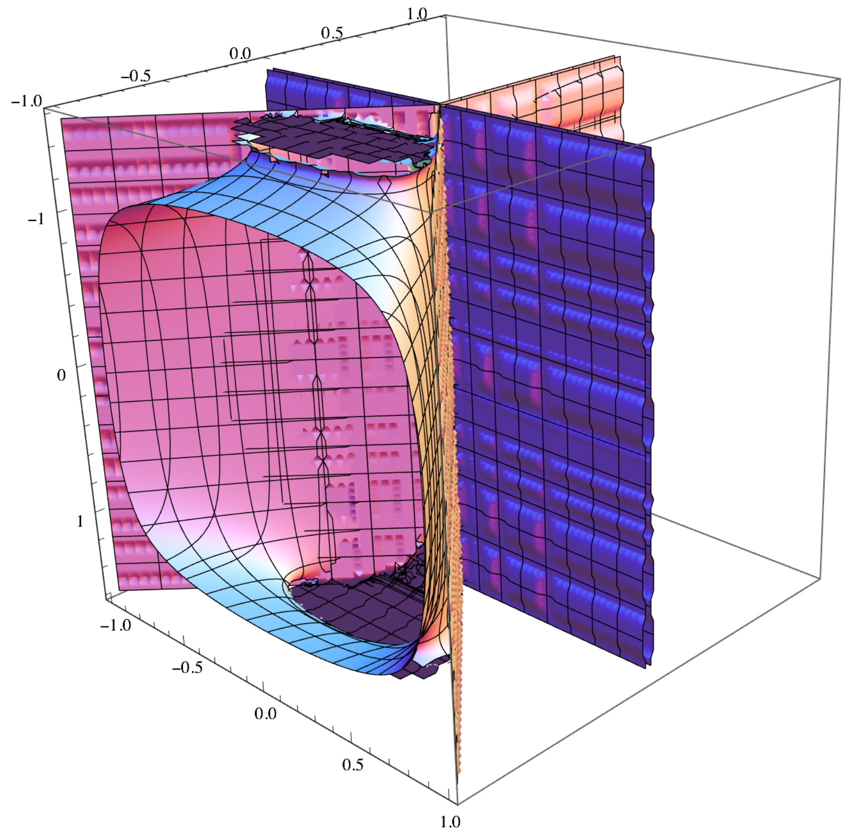
1
0.5
1.0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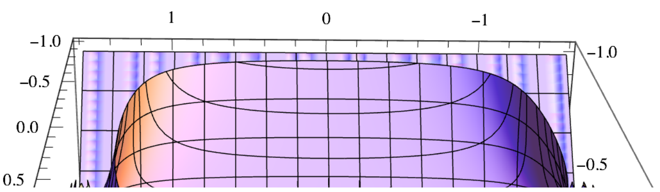
1.0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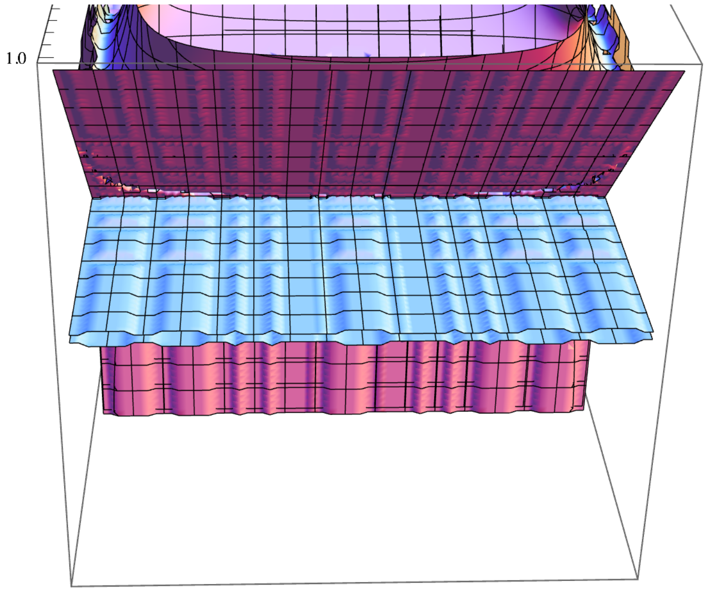
−0.5



1. There exists a number such that infinity minus that number equals 1 from infinity in base infinity counting backward from infinity instead of forward from zero. Let that number be called $\aleph_1$, and it is written, "1∞" such that :

$\infty - n = \aleph_n =$ "n∞" observing the form of the following pattern :

01 = 0 + 1; ∞ - 1 = 1 ∞ = 1 ∞∞ = 1 ∞∞∞, etc. 02 = 0 + 2, ∞ - 2 = 2 ∞

03 = 0 + 3; ∞ - 3 = 3 ∞

04 = 0 + 4; ∞ - 4 = 4 ∞

05 = 0 + 5; ∞ - 5 = 5 ∞

06 = 0 + 6; ∞ - 6 = 6 ∞

07 = 0 + 7; ∞ - 7 = 7 ∞

08 = 0 + 8; ∞ - 8 = 8 ∞

09 = 0 + 9; ∞ - 9 = 9 ∞

10 = 0 + 10, ∞ - 10 = ∞1

2. Furtheremore, there exists an infinity that can be written in ***base infinity***, **with infinity as the index origin**, the order of the digits of which is written : **{∞, $\aleph_1$, $\aleph_2$, $\aleph_3$ ... 9, 8, 7, 6, 5, 4, 3, 2, 1}**

Counting in this way is philosophically more sensical than counting forward from zero for a number of reasons. Primarily, because it makes sense that the number of things comes from the concept of, "everything," rather than coming from nothing, and we also get to establish a meaningful concept of infinity ' s eternality in a geometric framework as well.

3. Also, there exists an infinite number of ways of writing infinity, all of which are synonymous with infinity and contained in this expression of infinity if one ends infinity in infinity, which is both the base and the index origin, i.e. **{∞, $\aleph_1$, $\aleph_2$, $\aleph_3$ ... $\aleph_n$ ... ∞1, 9, 8, 7, 6, 5, 4, 3, 2, 1, ∞}.**

$$"\pi *10^{\infty}" == \pi * \infty 1^{\infty} == \left(\frac{C[\{\infty, \aleph_1, \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3, 2, 1, \infty\}]}{D[\{\infty, \aleph_1, \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3, 2, 1\}]}\right) * \begin{pmatrix} \infty^{(\infty_r \to 0_{-\gamma})} & \infty^{\left(\infty_\gamma \to \left(\frac{1}{\infty}\right)_x\right)} \\ \infty^{((2\pi)_\theta \to \phi_x)} & \infty^{\left(\{\infty, \aleph_1, \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1,9,8,7,6,5,4,3,2,1\}_c \to \left(\frac{1}{\phi 0}\right)_r\right)} \end{pmatrix}$$

Irrational numbers ... for one would always find that pattern after infinity and before infinity.

Furthermore, infinity can be written in an infinitely dimensional matrix.

$$\begin{pmatrix} \{\infty, \aleph_1, \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3, 2, 1\} \\ \{\infty, \aleph_1, \aleph_2, \aleph_3 \ldots \aleph_n \ldots \infty 1, 9, 8, 7, 6, 5, 4, 3, 2, 1, \infty\} \end{pmatrix} \begin{pmatrix} \infty^{(\infty_r \to 0_{-\gamma})} & \infty^{\left(\infty_\gamma \to \left(\frac{1}{\infty}\right)_x\right)} \\ \infty^{((2\pi)_\theta \to \phi_x)} & \pi \end{pmatrix}$$

Thread: Objects of unequal length in $\{\{\infty, \aleph_1, \aleph_2, \infty 1\,((\text{Subscript}[\ll 2 \gg] \ldots)\,\aleph_n \ldots), 9, 8, 7, 6, 5, 4, 3, 2, 1\}\}\{\infty_{\infty_r \to 0_{-\gamma}}, \infty_{\infty_\gamma \to 0_x}\}$ cannot be combined.

Thread: Objects of unequal length in $\{\{\infty, \aleph_1, \aleph_2, \infty 1\,((\text{Subscript}[\ll 2 \gg] \ldots)\,\aleph_n \ldots), 9, 8, 7, 6, 5, 4, 3, 2, 1, \infty\}\}\{\infty_{2\,\pi_\theta \to \phi_x}, \pi\}$ cannot be combined.

$$\{\{\{\infty, \aleph_1, \aleph_2, \infty 1\,((\aleph_3 \ldots)\,\aleph_n \ldots), 9, 8, 7, 6, 5, 4, 3, 2, 1\}\}\,\{\infty_{\infty_r \to 0_{-\gamma}}, \infty_{\infty_\gamma \to 0_x}\}, \{\{\infty, \aleph_1, \aleph_2, \infty 1\,((\aleph_3 \ldots)\,\aleph_n \ldots), 9, 8, 7, 6, 5, 4, 3, 2, 1, \infty\}\}\,\{\infty_{2\,\pi_\theta \to \phi_x}, \pi\}\}$$

Let the infinitely large varieties of irrational numbers be written Abs[*expr*]

Therefore, it can be said that the

Unlike Cantor' s theory on the nature of infinity, I do not consider that there is more that some infinities are larger than others, as Cantor does, instead I describe different philosophical meanings of infinity with the intermixing of relevant concepts based on geometric limits and the location of variables within a geometric transformation. Yes, it may be true that there are some sets that are larger than others, and all of those sets may be infinite, but that does not mean that they are the actual infinity. Instead, what has happened is that numbers have been neglected and lumped together as the term infinity to draw contradictions, where instead, the conclusion of unification should be drawn with only differentiations of meaning happening either geometrically or philosophically on the question of whether or not infinity loops back on itself if one is counting back from infinity. In fact, while I' m only mildly familiar with Cantor' s theory, it may be that the fact that up until this point, everyone has been mostly counting forward from zero instead of back from infinity that the fundamental problems with Cantor' s theory arose, "to begin with." And if, as often happens with the development of philosophy through the ages, one should find issues with the concept that infinity can numerically be summed up by a totality of terms (even if infinity is one of them), or if the critique is that the argument is somehow tautological, please remember that there are differentiations of meanings of infinity and allow this description of the kinds of infinity and their rates to at least differentiate these meanings and perhaps bring an interesting perspective lense to your life.

7. Discussions on the Nature of Acceleration and Non-

Commutation: Constrained Models and Generalized Propositions for Light Speed

The following is a method for solving for the speed of light, c within a constrained change in circumference as arc length system and I show how it is actually Indeterminate. If one replaces the concept of time with higher dimensionality, which is embedded in the simple difference equations (expressions) between (for) varying Platonic/Pythagorean shapes such as cones, circles, circumferences thereof, ellipses, volumes of tetrahedrons, dodecahedrons, etc. then it doesn' t much make sense for light to have a speed after all, because the very concept of speed depends on some conception of time, of which there is no valid or necessary existence. In this way, algebraically, light' s, "speed," is evidentiary of an emulation of infinity from a common sense perspective, but also from an algebraic perspective non - commutationally. Here, in this particular configuration of V - curvature' s relation to acceleration, and that' s not to say that there aren' t many different possible arrangements and equalities that can be posited, but rather, in this particular situation, we take the derivative of V, indicating the change in V - Curvature (an implicit, "inner," dimension) with respect to angular variables of the system, and we set that equal to the height of the cone, because the height of the cone has an increasing rate of change with respect to theta already in the algebraic structure. It is, essentially, "accelerating," with respect to theta already in a dimensional, non - conceptually temporal sense.

$$\text{Solve}\left[\frac{\sqrt{r\sqrt{1-\frac{(v)^2}{c^2}}}\ \sqrt{\frac{\theta}{\sqrt{1-\frac{(v)^2}{c^2}}}}\ \sqrt{4\,\pi\,r-r\,\theta}}{2\,\pi} == r\,\text{Sin}[\beta],\ v\right]$$

$$\left\{\left\{v\to-\frac{1.\ \sqrt{-1.12941\times10^{18}\,\theta+8.98755\times10^{16}\,\theta^2+3.54814\times10^{18}\,\text{Sin}[\beta]^2}}{\sqrt{-12.5664\,\theta+\theta^2+39.4784\,\text{Sin}[\beta]^2}}\right\},\right.$$
$$\left.\left\{v\to\frac{\sqrt{-1.12941\times10^{18}\,\theta+8.98755\times10^{16}\,\theta^2+3.54814\times10^{18}\,\text{Sin}[\beta]^2}}{\sqrt{-12.5664\,\theta+\theta^2+39.4784\,\text{Sin}[\beta]^2}}\right\}\right\}$$

```
(√(-1.1294090667581471`*^18 θ +
     8.987551787368176`*^16 θ^2 + 3.5481432270250993`*^18 Sin[β]^2)) /
  (√(-12.566370614359172` θ + θ^2 + 39.47841760435743` Sin[β]^2)) =
```

$$\frac{\sqrt{c^2\,\theta^2+4\,c^2\,\pi^2\,\text{Sin}[\beta]^2-8\,c^2\,\pi\left(\pi+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)}}{\sqrt{-4\,\pi\,\theta+\theta^2+4\,\pi^2\,\text{Sin}[\beta]^2}}$$

```
Simplify[(√(-(4 π c^2) (2 (π + √(π^2 - π^2 Sin[β]^2))) + (c^2) θ^2 + (4 π^2 c^2) Sin[β]^2)) /
  (√(-(4 π) θ + θ^2 + (4 π^2) Sin[β]^2))]
```

$$\frac{\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}}{\sqrt{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}} = v$$

If c were a constant, then the derivative of the curvature would be :

$$D\left[D\left[\frac{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\mathrm{Cos}[\beta]^2}\right)-4\pi^2\,\mathrm{Sin}[\beta]^2\right)}}{\sqrt{\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2}},\theta\right],\beta\right]$$

$$\frac{6\pi^2\,(-4\pi+2\theta)\,\mathrm{Cos}[\beta]\,\mathrm{Sin}[\beta]\,\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\mathrm{Cos}[\beta]^2}\right)-4\pi^2\,\mathrm{Sin}[\beta]^2\right)}}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^{5/2}}-$$
$$\frac{4c^2\pi^2\theta\,\mathrm{Cos}[\beta]\,\mathrm{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\mathrm{Cos}[\beta]^2}\right)-4\pi^2\,\mathrm{Sin}[\beta]^2\right)}\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^{3/2}}+$$
$$\frac{c^2\,(-4\pi+2\theta)\left(-8\pi^2\,\mathrm{Cos}[\beta]\,\mathrm{Sin}[\beta]-\frac{8\pi^2\,\mathrm{Cos}[\beta]\,\mathrm{Sin}[\beta]}{\sqrt{\mathrm{Cos}[\beta]^2}}\right)}{4\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\mathrm{Cos}[\beta]^2}\right)-4\pi^2\,\mathrm{Sin}[\beta]^2\right)}\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^{3/2}}+$$
$$\frac{c^4\theta\left(-8\pi^2\,\mathrm{Cos}[\beta]\,\mathrm{Sin}[\beta]-\frac{8\pi^2\,\mathrm{Cos}[\beta]\,\mathrm{Sin}[\beta]}{\sqrt{\mathrm{Cos}[\beta]^2}}\right)}{2\left(-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\mathrm{Cos}[\beta]^2}\right)-4\pi^2\,\mathrm{Sin}[\beta]^2\right)\right)^{3/2}\sqrt{\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2}}$$

The derivative of this quintessentially, phenomenologically reduced, non - commutative embedded algebraic function coined, "V-Curvature," is an entirely new concept, but as I will show in the following chapter, it is essentially equivalent to and embedded within an elliptical polylogarithmic functionality when one attempts to equate it with an archaic concept like distance, acceleration or velocity . It can be considered a, "velocity," ratio in archaic, traditional terminology and purported, organic "human," experiential belief systems, because it is originally postulated from the Lorentz Coefficient, which has its origins in Elliptical Equations, and it is a ratio of multiple velocities with very precise configurations of complexly fractionally dimensional angular, trigonometric functions . We are, after all, attempting to show, step by step, that up until this supposedly, "modern," age, our simplistic conception of reality as packagable into easy to manage monad variable functions is not really adequate to describe even simple realizations of consciousness in actuality when one is deducing their perceptions from basic difference equations with more or less constraints . While what we are looking at is colloquially refered to as an acceleration of a material curvature, we will show that when you liberate constraints on the system, the results offer even more flexability to the user . Essentially, it is one element of what could mechanically be considered like a transmission for consciousness if it were analogous to a vehicle . Hence the later chapters and analogies to tantra, mantra and the, "great vehicle."

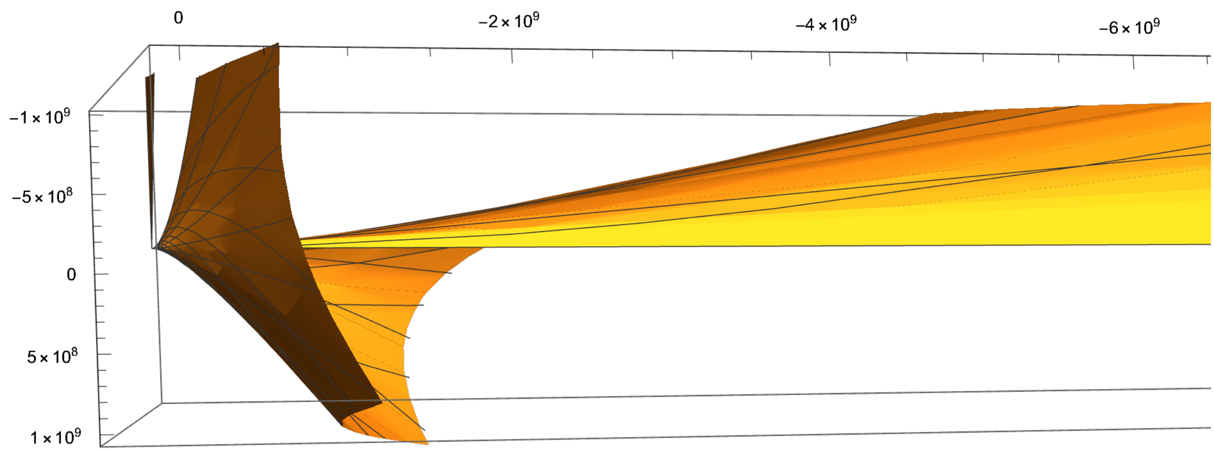
$$\text{SphericalPlot3D}\Big[\frac{6\,\pi^2\,(-4\,\pi+2\,\theta)\,\text{Cos}[\beta]\,\text{Sin}[\beta]\,\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^{5/2}}-$$

$$\frac{4\,c^2\,\pi^2\,\theta\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^2\,(-4\,\pi+2\,\theta)\left(-8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{4\,\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^4\,(\theta)\left(-8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{2\left(-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)\right)^{3/2}\sqrt{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}},$$

$$\{\beta,\,0,\,\pi/2\},\,\{\theta,\,0,\,2\,\pi\},\,\text{PlotTheme}\to\text{"Orange"}\Big]$$



$$\text{SphericalPlot3D}\Bigg[\Bigg(6\,\pi^2\left(-4\,\pi+2\times 2\left(\pi+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)\right)\text{Cos}[\beta]\,\text{Sin}[\beta]\bigg/\left(\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\Bigg/\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^{5/2}-$$

$$\frac{4\,c^2\,\pi^2\,\theta\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^2\,(-4\,\pi+2\,\theta)\left(-8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{4\,\sqrt{-c^2\left(-\theta^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)}\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\left(c^4\,\theta\left(-8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\,\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)\right)\Bigg/$$

$$\left(2\left(-c^2\left(-\left(2\left(\pi+\sqrt{\pi^2-\pi^2\,\text{Sin}[\beta]^2}\right)\right)^2+8\,\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\,\pi^2\,\text{Sin}[\beta]^2\right)\right)^{3/2}\right.$$

$$\left.\sqrt{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}\right),\ \{\beta,\ 0,\ \pi/2\},\ \{\theta,\ 0,\ 2\,\pi\},\ \text{PlotTheme}\rightarrow\text{"Classic"}\Bigg]$$

··· PolynomialQ: Indeterminate expression $8\,\pi\left(-\pi\,\sqrt{\text{Cos}[\beta]^2}+\pi\,\sqrt{1-\text{Sin}[\ll 1\gg]^2}\right)$ encountered.

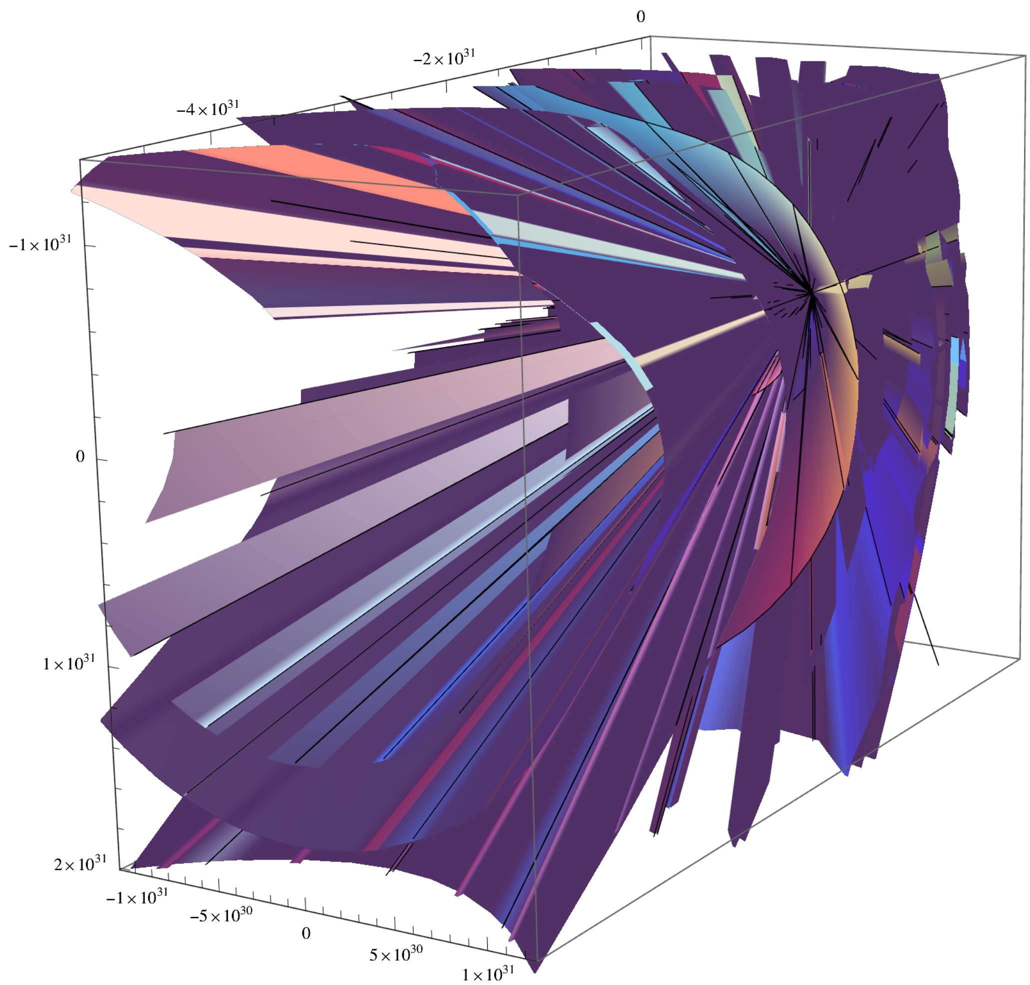
··· PolynomialQ: Indeterminate expression $8\,\pi\left(-\pi\,\sqrt{\text{Cos}[\beta]^2}+\pi\,\sqrt{1-\text{Sin}[\ll 1\gg]^2}\right)$ encountered.

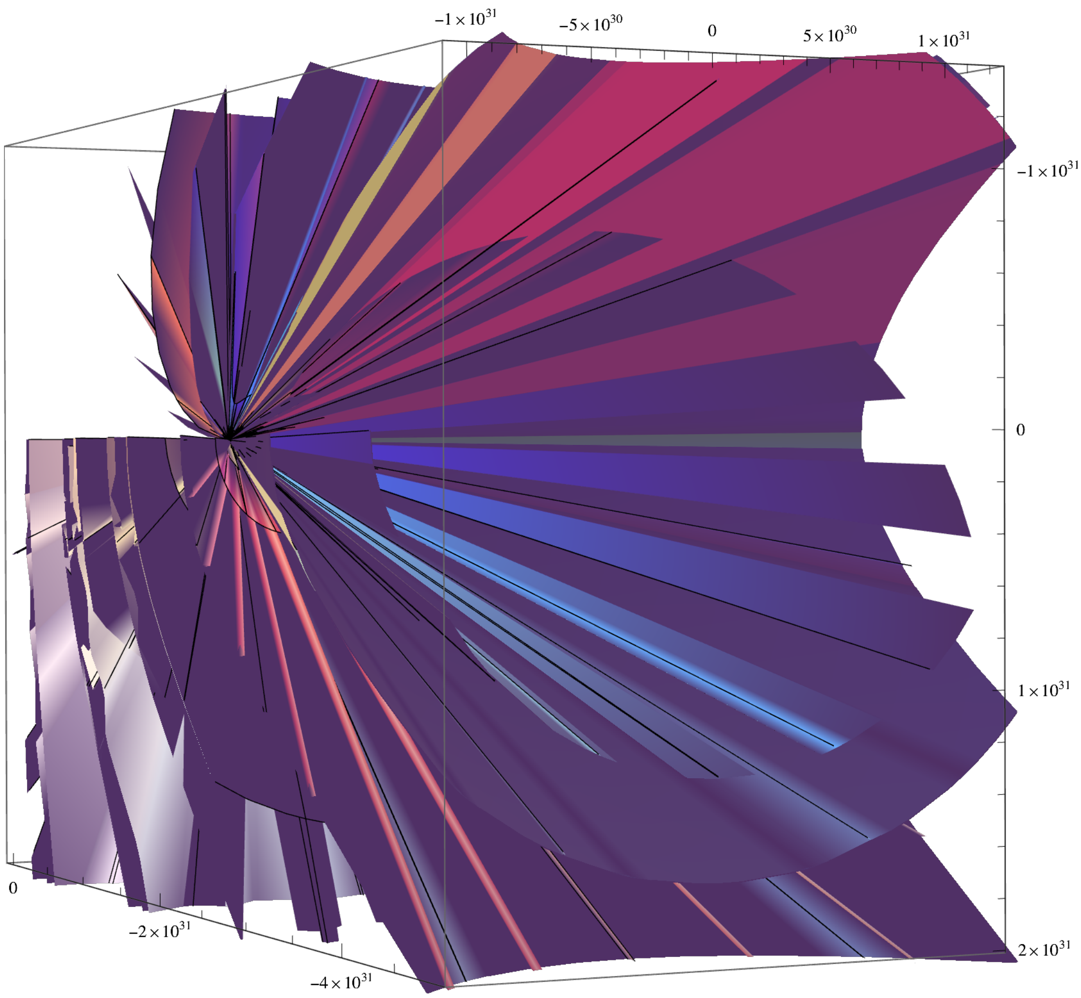
··· Power: Infinite expression $\frac{1}{0.}$ encountered.

··· Power: Infinite expression $\frac{1}{0.}$ encountered.

··· Power: Infinite expression $\frac{1}{0.}$ encountered.

··· General: Further output of Power::infy will be suppressed during this calculation.


0
-2×10^{31}
-4×10^{31}
-1×10^{31}
0
1×10^{31}
2×10^{31}
-1×10^{31}
-5×10^{30}
0
5×10^{30}
1×10^{31}



$$\text{Solve}\Big[\frac{6\pi^2(-4\pi+2\theta)\,\text{Cos}[\beta]\,\text{Sin}[\beta]\,\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}}{\left(\theta(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{5/2}}-$$

$$\frac{4c^2\pi^2\theta\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\left(\theta(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^2(-4\pi+2\theta)\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{4\sqrt{-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)}\left(\theta(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2\right)^{3/2}}+$$

$$\frac{c^4\theta\left(-8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]-\frac{8\pi^2\,\text{Cos}[\beta]\,\text{Sin}[\beta]}{\sqrt{\text{Cos}[\beta]^2}}\right)}{2\left(-c^2\left(-\theta^2+8\pi^2\left(1+\sqrt{\text{Cos}[\beta]^2}\right)-4\pi^2\,\text{Sin}[\beta]^2\right)\right)^{3/2}\sqrt{\theta(-4\pi+\theta)+4\pi^2\,\text{Sin}[\beta]^2}}==$$

$$\frac{\sqrt{4\pi r^2\theta-r^2\theta^2}}{2\pi},\ r\Big]$$

$$\Bigg\{\Bigg\{r \to -\frac{1}{\sqrt{\theta}\ \sqrt{-4\pi+\theta}}\, c\,\pi\, \sqrt{\Bigg(\frac{192\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+\right.}$$

$$\frac{64\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\mathrm{Sin}[\beta]^4}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\mathrm{Sin}[\beta]^2}{8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+$$

$$\frac{147\,456\,\pi^{10}\,\mathrm{Cos}[\beta]^4\,\mathrm{Sin}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+$$

$$\frac{294912\,\pi^{10}\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\mathrm{Cos}[\beta]^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{24576\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{18432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{36864\,\pi^8\,\mathrm{Cos}[\beta]^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{18432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\right\},$$

$$\left\{r\to\frac{1}{\sqrt{\theta}\,\sqrt{-4\,\pi+\theta}}\,c\,\pi\,\sqrt{\left(\left(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\right.\right.}\right.$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294\,912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{24\,576\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{18\,432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{36\,864\,\pi^8\,\mathrm{Cos}[\beta]^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{24\,576\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{18\,432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}-$$

$$\frac{12\,288\,\pi^8\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\mathrm{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4 \,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\pi^4\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\pi^2\theta^2\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\pi^2\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\pi\theta\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\mathrm{Tan}[\beta]^2}{8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2}-$$

$$\frac{4\pi\theta\,\mathrm{Tan}[\beta]^2}{\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+\frac{8\pi^2\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\pi^5\theta\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\pi^6\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\pi^5\theta\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\pi^6\,\mathrm{Sin}[\beta]^4\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\pi^3\theta\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\pi^3\theta\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\mathrm{Tan}[\beta]^2}{\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2}+$$

$$\frac{256\pi^5\theta\,\mathrm{Tan}[\beta]^2}{\left(8\pi^2-\theta^2+8\pi^2\sqrt{\mathrm{Cos}[\beta]^2}-4\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\left(\theta(-4\pi+\theta)+4\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\}\}$$

Algebra, geometry, differential equations, calculus, fractal sets - all of these have investigations into infinity of their own. However, in these systems, infinity holds different meanings. So, using the conic orbifold theory of paradox, (The Cone of Perception 4 th Edition, Emmerson 2009 - 2012, Chapter XXII. Revelations of and Infinite Angle, Page 529), one would be led to draw a potentially useful halting mechanism for the sake of visual investigation :

$$\text{Solve}\Big[$$

$$\Bigg(4\,\pi\,\gamma+\gamma^2-\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]-4\,\pi^2\,\text{Sin}[\beta]^2-4\,\pi\,\gamma\,\text{Sin}[\beta]^2-\gamma^2\,\text{Sin}[\beta]^2-$$

$$\frac{\pi\,\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\text{Sin}[\beta]^3}{\sqrt{4\,\pi+\gamma}}+\frac{\pi\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3}{\sqrt{\gamma}}+$$

$$\left.\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3\right)\Big/$$

$$\left(\pi\,\left(-16\,\pi\,\gamma-4\,\gamma^2+16\,\pi^2\,\text{Sin}[\beta]^2+16\,\pi\,\gamma\,\text{Sin}[\beta]^2+4\,\gamma^2\,\text{Sin}[\beta]^2\right)\right)==$$

$$\frac{1}{\sqrt{\theta}\ \sqrt{-4\pi+\theta}}\,c\,\pi\,\sqrt{\Bigg(\Bigg(\frac{192\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+}$$

$$\frac{64\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{16\,\pi^2\,\theta^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{112\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{20\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\theta^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{7\,\mathrm{Sin}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2}+$$

$$\frac{36\,864\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-\frac{18\,432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-$$

$$\frac{36\,864\,\pi^8\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+\frac{18\,432\,\pi^7\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}-$$

$$\frac{147\,456\,\pi^{10}\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+$$

$$\frac{147\,456\,\pi^{10}\,\mathrm{Cos}[\beta]^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^5}+$$

$$\frac{294912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\mathrm{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right),\ c]$$

$$\Bigg\{\Bigg\{c\to\Bigg(\sqrt{\theta}\,\sqrt{-4\,\pi+\theta}\,\Bigg(4\,\pi\,\gamma+\gamma^2-\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]-$$

$$4\,\pi^2\,\text{Sin}[\beta]^2-4\,\pi\,\gamma\,\text{Sin}[\beta]^2-\gamma^2\,\text{Sin}[\beta]^2-\frac{\pi\,\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\text{Sin}[\beta]^3}{\sqrt{4\,\pi+\gamma}}+$$

$$\frac{\pi\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3}{\sqrt{\gamma}}+\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3\Bigg)\Bigg)\Big/$$

$$\Bigg(\pi^2 \left(-16\,\pi\,\gamma - 4\,\gamma^2 + 16\,\pi^2\,\text{Sin}[\beta]^2 + 16\,\pi\,\gamma\,\text{Sin}[\beta]^2 + 4\,\gamma^2\,\text{Sin}[\beta]^2\right)$$

$$\Bigg/\sqrt{\Bigg(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +}$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} -$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} +$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} -$$

$$\frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} -$$

$$\frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2} +$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} - \frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} -$$

$$\frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} + \frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} -$$

$$\frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} +$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2-4\,\pi^2\,\text{Sin}[\beta]^2}\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\mathrm{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\mathrm{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\mathrm{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\mathrm{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\mathrm{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\mathrm{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\mathrm{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\mathrm{Sin}[\beta]^2\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\mathrm{Sin}[\beta]^4\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\mathrm{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\mathrm{Cos}[\beta]^2}-4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\mathrm{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\right)\}\}$$

ContourPlot3D[

$$\Bigg(\sqrt{\theta}\,\sqrt{-4\,\pi+\theta}\,\Bigg(4\,\pi\,\gamma+\gamma^2-\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]-4\,\pi^2\,\text{Sin}[\beta]^2-$$

$$4\,\pi\,\gamma\,\text{Sin}[\beta]^2-\gamma^2\,\text{Sin}[\beta]^2-\frac{\pi\,\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\text{Sin}[\beta]^3}{\sqrt{4\,\pi+\gamma}}+$$

$$\frac{\pi\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3}{\sqrt{\gamma}}+\sqrt{\gamma}\,\sqrt{(2\,\pi+\gamma)^2}\,\sqrt{4\,\pi+\gamma}\,\text{Sin}[\beta]^3\Bigg)\Bigg)\Big/$$

$$\Bigg(\pi^2 \left(-16\,\pi\,\gamma - 4\,\gamma^2 + 16\,\pi^2\,\text{Sin}[\beta]^2 + 16\,\pi\,\gamma\,\text{Sin}[\beta]^2 + 4\,\gamma^2\,\text{Sin}[\beta]^2\right)$$

$$\sqrt{\Bigg(\Bigg(\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} + \frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} + \frac{16\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} + \frac{4\,\pi\,\theta^3\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} + \frac{\theta^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} - \frac{64\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} + \frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^3} - \frac{112\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} - \frac{20\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} - \frac{2\,\theta^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)^2} - \frac{7\,\text{Sin}[\beta]^2}{8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2} + \frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} - \frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} - \frac{36\,864\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} + \frac{18\,432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} - \frac{147\,456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2 - \theta^2 + 8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2} - 4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi + \theta) + 4\,\pi^2\,\text{Sin}[\beta]^2\right)^5} +}$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{294912\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}-$$

$$\frac{147456\,\pi^{10}\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^5}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{6144\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{3840\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+\frac{1536\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{24576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{18432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{36864\,\pi^8\,\text{Cos}[\beta]^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{24576\,\pi^8\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{18432\,\pi^7\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}-$$

$$\frac{12288\,\pi^8\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^4}+$$

$$\frac{256\,\pi^4\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-\frac{256\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{384\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+\frac{256\,\pi^4\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1024\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{4864\,\pi^5\,\theta\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{3328\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{2816\,\pi^6\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^2\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{12\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{16\,\pi^2\,\text{Sin}[\beta]^4}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1792\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{1536\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{1024\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{832\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{704\,\pi^4\,\text{Cos}[\beta]^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{576\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{128\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\text{Sin}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{768\,\pi^5\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{768\,\pi^6\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{512\,\pi^5\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^6}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{384\,\pi^4\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{576\,\pi^3\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{704\,\pi^4\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{96\,\pi^3\,\theta\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{144\,\pi^2\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{52\,\pi\,\theta\,\text{Sin}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{28\,\pi^2\,\text{Sin}[\beta]^4}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{64\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi\,\theta^3\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{\theta^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{64\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}+$$

$$\frac{4\,\pi^2\,\theta^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3}-$$

$$\frac{16\,\pi^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{3\,\text{Tan}[\beta]^2}{8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2}-$$

$$\frac{4\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+\frac{8\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{512\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}+$$

$$\frac{64\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)^2}-$$

$$\frac{2\,\text{Tan}[\beta]^2}{\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2}+$$

$$\frac{256\,\pi^5\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{256\,\pi^5\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{256\,\pi^6\,\text{Sin}[\beta]^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^3\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{128\,\pi^4\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{64\,\pi^3\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

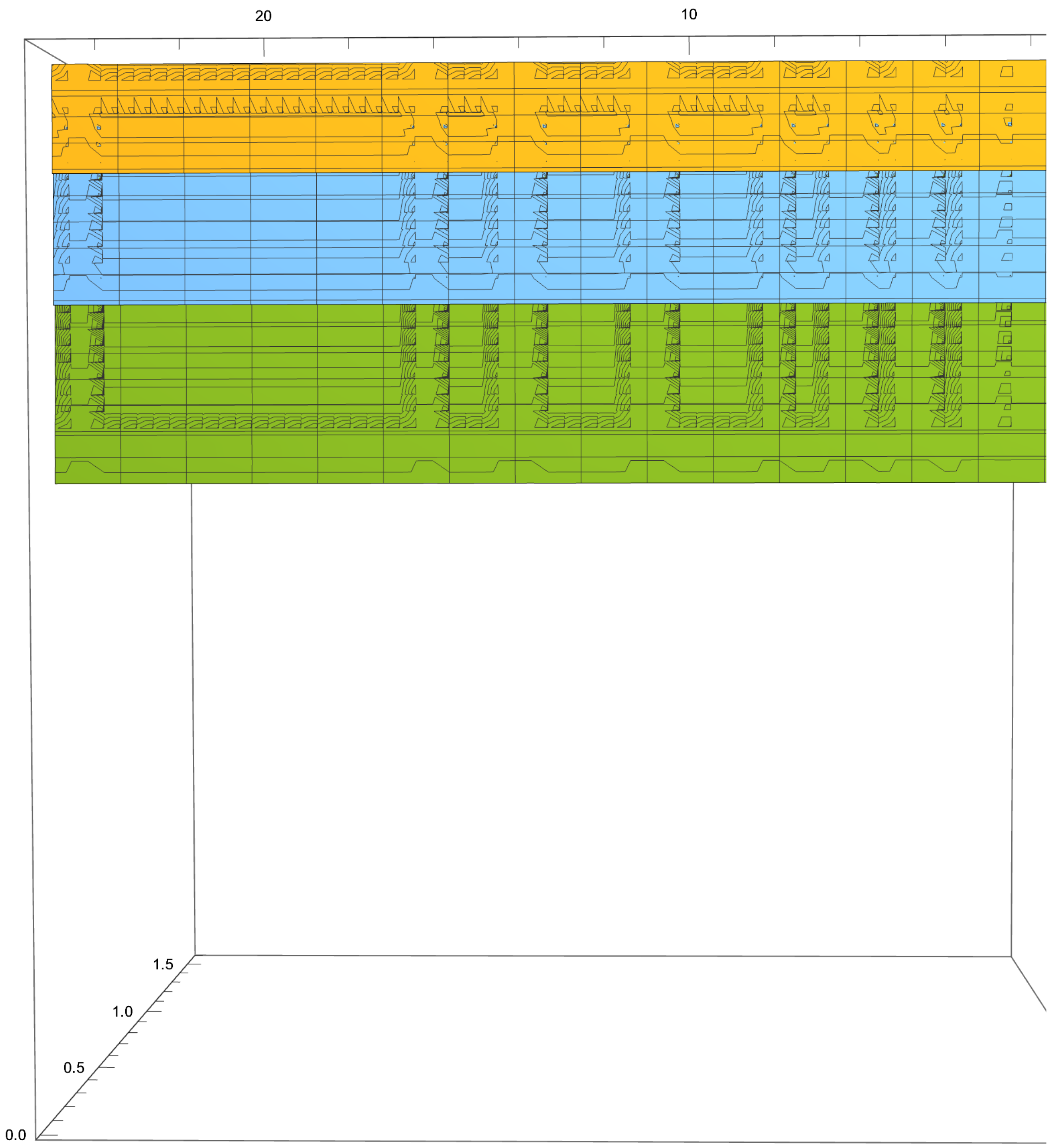
$$\frac{192\,\pi^4\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\frac{32\,\pi^3\,\theta\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)^2\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}-$$

$$\frac{20\,\pi\,\theta\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}+$$

$$\left.\left.\frac{12\,\pi^2\,\text{Sin}[\beta]^2\,\text{Tan}[\beta]^2}{\left(8\,\pi^2-\theta^2+8\,\pi^2\,\sqrt{\text{Cos}[\beta]^2}-4\,\pi^2\,\text{Sin}[\beta]^2\right)\,\left(\theta\,(-4\,\pi+\theta)+4\,\pi^2\,\text{Sin}[\beta]^2\right)}\right)\right),$$

```
{θ, 0, 2 π}, {β, 0, π / 2},
{ϒ,
 0,
 8
  π}]
```



8. Liberation: Liberating Constraints on the Difference Equation and the Resulting Equalities with V-Curvature (Components for Worm Holes) and Methods for Solving Non-Elementary Integrals

8.1 - Basic Postulates for Non-Commutative, Algebraic Dimensionality (Transformational V-Curvature in the System)

$$\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2-\eta^2}\,\delta,\ \eta\right]$$

$$\left\{\left\{\eta \to -\frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2\,r\,z\,\alpha\,\theta-z^2\theta^2}}{\delta}\right\},\ \left\{\eta \to \frac{\sqrt{-r^2\alpha^2+r^2\delta^2+2\,r\,z\,\alpha\,\theta-z^2\theta^2}}{\delta}\right\}\right\}$$

```
FullSimplify[Sqrt[-(r^2 α^2) + r^2 δ^2 + 2 r z α θ - z^2 θ^2] / δ]
```

$$\frac{\sqrt{-(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)}}{\delta}$$

$$\frac{\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)}-1\right)(z\,\theta)\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)}-1\right)(z\,\theta)}}{\delta}$$

sqrt (- (r (α - δ) - θ z) (r (α + δ) - θ z)) / δ

$$\frac{\sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)}-1\right)(z\,\theta)\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)}-1\right)(z\,\theta)}}{\delta}$$

$$\frac{\sqrt{(z\,\theta)}\ \sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)}-1\right)\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)}-1\right)}}{\delta}$$

$$\frac{\sqrt{\theta}\ \sqrt{z}\ \sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)}-1\right)\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)}-1\right)}}{\delta}$$

$$\frac{\sqrt{\theta\Big/\sqrt{1-\frac{(v)^2}{c^2}}}\ \sqrt{\sqrt{1-\frac{(v)^2}{c^2}}\ z}\ \sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)}-1\right)\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)}-1\right)}}{\delta}$$

$$\text{Solve}\left[\frac{\sqrt{\theta\Big/\sqrt{1-\frac{(v)^2}{c^2}}}\ \sqrt{\sqrt{1-\frac{(v)^2}{c^2}}\ z}\ \sqrt{-\left(r\,\frac{(\alpha-\delta)}{(z\,\theta)}-1\right)\left(r\,\frac{(\alpha+\delta)}{(z\,\theta)}-1\right)}}{\delta} == \eta,\ v\right]$$

$$\Big\{\Big\{v \to -\Big(\Big(1.\sqrt{\big(8.98755\times10^{16}\,r^2\alpha^2 - 8.98755\times10^{16}\,r^2\delta^2 - 1.79751\times10^{17}\,r\,z\,\alpha\,\theta + 8.98755\times10^{16}\,z\,\delta^2\eta^2\theta + 8.98755\times10^{16}\,z^2\theta^2\big)}\Big)\Big/\Big(\sqrt{r^2\alpha^2-1.\,r^2\delta^2-2.\,r\,z\,\alpha\,\theta+z\,\delta^2\eta^2\theta+z^2\theta^2}\Big)\Big)\Big\},$$

$$\Big\{v \to \Big(\sqrt{\big(8.98755\times10^{16}\,r^2\alpha^2 - 8.98755\times10^{16}\,r^2\delta^2 - 1.79751\times10^{17}\,r\,z\,\alpha\,\theta + 8.98755\times10^{16}\,z\,\delta^2\eta^2\theta + 8.98755\times10^{16}\,z^2\theta^2\big)}\Big)\Big/\Big(\sqrt{r^2\alpha^2-1.\,r^2\delta^2-2.\,r\,z\,\alpha\,\theta+z\,\delta^2\eta^2\theta+z^2\theta^2}\Big)\Big\}\Big\}$$

$$v == \frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r z \alpha \theta + c^2 z \delta^2 \eta^2 \theta + c^2 z^2 \theta^2}}{\sqrt{r^2 \alpha^2 - 1.` r^2 \delta^2 - 2.` r z \alpha \theta + z \delta^2 \eta^2 \theta + z^2 \theta^2}}$$

It should be noted that the principle between V - Curvature in previous chapters, which was shown to be able to be either canceled out or allowed to spontaneously be perceived by logical insight, is found in principle the same, but it has now evolved to include more variables, allowing more flexibility. For that reason, and because we can manipulate the topological form, we can better call the function, "Non-Commutative, Algebraic Dimensionality (**Transformational** V-Curvature in the System)."

8.2 Solutions to variables in the system of liberated constraints:

The statement :

$$\frac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r z \alpha \theta - z^2 \theta^2}}{\delta}$$

can be likened to acceleration or decceleration. The great thing about this theory is that it relates to Dark Matter, because so far all we have been able to observe about, "Dark Matter," is that it is inferred from observations about the acceleration of galaxies. Therefore, it stands to reason that the best investigations we as humans can make into, "Dark Matter," in the near future will come from philosophy , Platonic / Pythagorean mathematics and thought experiments. Firstly, philosophically, it will be useful to discuss the seen and unseen and the different kinds of meanings of seen and unseen. These discussions will take place in the following chapters on the nature of Dark Matter. However, here it is safe to say that our concept of acceleration is perhaps near sighted, and in reality, velocity can be shown to be correlated to imaginary numbers, which are perhaps improperly named, because all numbers are imaginary other than infinity. For a long time, philosphers and especially Buddhists have attempted to transverse or transcend the dialectic / dual nature of arguing over the existence or non existence of zero. With these theories, and thos in the following chapters, we find how the imagination, both conceptually and numerically generates the constraints and boundaries of tangible reality. We also get to gain insight

into religious ideas, because infinity is within you,
just as Jesus stated that the kingdom of heaven is within you.

Since " $\dfrac{\sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r z \alpha \theta - z^2 \theta^2}}{\delta}$ **"**

**can be likened to acceleration or decceleration,
it stands to reason that the integral of this would be akin to velocity.**

Also, with regard to relativity, which is presently the
state of the art in philosophical theories on physics,
space and time are united, not considered as separate,
so we will integrate based on distances and angles,
both of which may change within the framework.

Even if one doubts the verifiability or veritability of these equations as useful for describing or discussing aspects of light and its function in the Universe (that all that is), this serves as an example of how one would go about solving difference equations with five variables, that they indeed can be solved, paired together and generate functions that can be visualized as transformations. However, if one does accept the generalized forms as potentially innate forms from the inter-mechanics of algebra, one would then find them extremely helpful in ***revolutionizing the concept of light.*** A next step would be patching the solutions to the equations together to describe previously inexplicable phenonemena by changing one’s perspective, and understanding that light and material is not just what we interact with, are made out of and believe we see with our eyes, but is *actually explicitly intertwined with our higher dimensional consciousness as an ascended being from the commonly conceived material plane.*

Energy - It' s present throughout all of creation. It is what we call the fundamental element of which everything is made, through which all thoughts are had, and from which all perspectives taken, but not all forms of inferred existent forms of energy are currently describable with modern linguistic and computational methods and insights. As stated earlier, our perspective on how we use mathematics to describe energy probably need improvement, thus the Upanishad.

Change - Change is, after all, the fundamental language used throughout the sciences as notated through calculus, so it is fitting that scientific concepts and linguistics descriptions thereof ought also change as our perspectives evolve.

Pathways - Pathways are so important in all of the evolving sciences, because they are, after all, how energy is transferred and exchanged, how electricity moves and why thermodynamically, conductive and interactive materials are fabricated for different applications and functions. So, then, it would also seem fitting to use the concept of pathways in our description of energy itself, for how else is something conceived of by the human mind and the consciousness than by a framework of neural pathways to describe phenomenologically and experientially that which is perceived (either logically or with the perceptual apparatus)? That aspect of reality which is inaccessible from a certain method or pathway can be considered as Dark Matter relative to certain perspectives - namely, perspectives that we may find ourselves inside. Whereas, from another perspective or method, we can actually find a pathway to equate with what we formerly believed inaccessible.

Take for instance, the following example :

In[∘]:= $\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2 - (x\,\text{Sin}[\beta])^2}\,\delta,\ \beta\right]$

Solve: Inverse functions are being used by Solve, so some solutions may not be found; use Reduce for complete solution information.

Out[∘]= $$\left\{\left\{\beta \to -\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)}{x^2\,\delta^2}}\right]\right\},\ \left\{\beta \to \text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)}{x^2\,\delta^2}}\right]\right\}\right\}$$

In[∘]:= $$\text{Solve}\left[\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)}{x^2\,\delta^2}}\right] == \text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)}{r^2\,\delta^2}}\right],\ \delta\right]$$

Out[∘]= $$\left\{\left\{\delta \to -\frac{i\,\sqrt{r^2 - x^2}\,(r\,\alpha - z\,\theta)}{r\,\sqrt{-r^2 + x^2}}\right\},\ \left\{\delta \to \frac{i\,\sqrt{r^2 - x^2}\,(r\,\alpha - z\,\theta)}{r\,\sqrt{-r^2 + x^2}}\right\}\right\}$$

In[∘]:= $$\text{Solve}\left[\frac{i\,(r\,\alpha - z\,\theta)}{r\,\sqrt{-1 + \text{Sin}[\beta]^2}} == \frac{i\,\sqrt{r^2 - x^2}\,(r\,\alpha - z\,\theta)}{r\,\sqrt{-r^2 + x^2}},\ r\right]$$

Out[∘]= $$\left\{\left\{r \to \frac{z\,\theta}{\alpha}\right\}\right\}$$

$\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2 - (r\,\text{Sin}[\beta])^2}\,\delta,\ \beta\right]$

Solve: Inverse functions are being used by Solve, so some solutions may not be found; use Reduce for complete solution information.

$$\left\{\left\{\beta \to -\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)}{r^2\,\delta^2}}\right]\right\},\ \left\{\beta \to \text{ArcSin}\left[\sqrt{\frac{(r\,\alpha + r\,\delta - z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)}{r^2\,\delta^2}}\right]\right\}\right\}$$

$\text{Solve}\left[z\,\theta == r\,\alpha - \sqrt{r^2 - \eta^2}\,\delta,\ \eta\right]$

$$\left\{\left\{\eta \to -\frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta}\right\},\ \left\{\eta \to \frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\delta} == r\,\text{Sin}[\beta],\ r\right]$$

$$\left\{\left\{r \to \frac{z\,\theta}{\alpha - \delta\,\text{Cos}[\beta]}\right\},\ \left\{r \to \frac{z\,\theta}{\alpha + \delta\,\text{Cos}[\beta]}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,z\right]$$

$$\left\{\left\{z\to\frac{r\,\alpha-r\,\delta\,\text{Cos}[\beta]}{\theta}\right\},\,\left\{z\to\frac{r\,\alpha+r\,\delta\,\text{Cos}[\beta]}{\theta}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,\alpha\right]$$

$$\left\{\left\{\alpha\to\frac{z\,\theta-r\,\delta\,\text{Cos}[\beta]}{r}\right\},\,\left\{\alpha\to\frac{z\,\theta+r\,\delta\,\text{Cos}[\beta]}{r}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,\delta\right]$$

$$\left\{\left\{\delta\to-\frac{i\,(r\,\alpha-z\,\theta)}{r\,\sqrt{-1+\text{Sin}[\beta]^2}}\right\},\,\left\{\delta\to\frac{i\,(r\,\alpha-z\,\theta)}{r\,\sqrt{-1+\text{Sin}[\beta]^2}}\right\}\right\}$$

$$\text{Solve}\left[\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}==r\,\text{Sin}[\beta],\,\theta\right]$$

$$\left\{\left\{\theta\to\frac{r\,\alpha-r\,\delta\,\text{Cos}[\beta]}{z}\right\},\,\left\{\theta\to\frac{r\,\alpha+r\,\delta\,\text{Cos}[\beta]}{z}\right\}\right\}$$

8.3 Integrating Impossible Integrals by Substitution of Known Trigonometric Equivalencies and then Known Solutions from the Difference Equation.

$$\eta=r\,\text{Sin}[\beta]=\frac{z\,\theta}{\alpha+\delta\,\text{Cos}[\beta]}\,\text{Sin}[\beta]=\frac{z\,\theta}{\alpha+\delta\,\text{Cos}\left[\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha+r\,\delta-z\,\theta)\,(-r\,\alpha+r\,\delta+z\,\theta)}{r^2\,\delta^2}}\right]\right]}$$

$$\text{Sin}\left[\text{ArcSin}\left[\sqrt{\frac{(r\,\alpha+r\,\delta-z\,\theta)\,(-r\,\alpha+r\,\delta+z\,\theta)}{r^2\,\delta^2}}\right]\right]=\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}$$

At first,
one would be led to believe that it is impossible to integrate fully :

$$\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}$$

with respect to all the potentially changing variables. However,
upon further examination of the system,
we find that we can find a way to integrate with respect to the same
variables if we rewrite our system in terms of an equally valid
postulate / equivalency and include the structural data from the
height solution. This gives us not only a solution to the integral,
but also a way to investigate and gain insight on what the integrals

are of things formerly thought to be not capable of anti – derivation (integration) are.

$$\int\int\int\int\int r\,\mathrm{Sin}\left[\mathrm{ArcSin}\left[\sqrt{\frac{(r\,\alpha+r\,\delta-z\,\theta)\,(-r\,\alpha+r\,\delta+z\,\theta)}{r^2\,\delta^2}}\right]\right]dr\,d\delta\,d\alpha\,d\theta\,dz$$

$$-\frac{1}{6}\,i\,r\,\delta\,\theta^3\int\int\Bigg(\Bigg(z^2\,\sqrt{\alpha^2-\delta^2}\,\sqrt{\frac{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}{r^2\,\delta^2}}\,\mathrm{Log}\left[2\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}-\frac{2\,i\left(r\left(\alpha^2-\delta^2\right)-z\,\alpha\,\theta\right)}{\sqrt{\alpha^2-\delta^2}}\right]\Bigg)\Big/\left((-\alpha+\delta)\,(\alpha+\delta)\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\Bigg)d\alpha\,dz\,+$$

$$\frac{1}{6}\,i\,r\,\delta\int\int\int\Bigg(\Bigg(z^3\,\sqrt{\alpha^2-\delta^2}\,\theta^3\,\sqrt{\frac{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}{r^2\,\delta^2}}\left(r\,\alpha\,\sqrt{\alpha^2-\delta^2}-z\,\sqrt{\alpha^2-\delta^2}\,\theta+i\,\alpha\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\right)\Bigg)\Big/\Big((\alpha-\delta)\,(\alpha+\delta)\,(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)\,\Big(-i\,r\left(\alpha^2-\delta^2\right)+i\,z\,\alpha\,\theta+\sqrt{\alpha^2-\delta^2}\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\Big)\Big)\Bigg)d\alpha\,d\theta\,dz\,+$$

$$\frac{1}{2}\,r\int\int\int\int\frac{1}{(-\alpha+\delta)\,(\alpha+\delta)}\sqrt{\frac{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}{r^2\,\delta^2}}\Bigg(-r\,\alpha^2+r\,\delta^2+z\,\alpha\,\theta-\Big(z^2\,\delta^2\,\theta^2\,\Big(-i\,r^2\left(\alpha^2-\delta^2\right)^{3/2}+r\left(\alpha^2-\delta^2\right)\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}+z\,\alpha\,\theta\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\Big)\Big)\Big/\Big(\sqrt{\alpha^2-\delta^2}\,(r\,(\alpha+\delta)-z\,\theta)\,(r\,(-\alpha+\delta)+z\,\theta)\,\Big(-i\,r\left(\alpha^2-\delta^2\right)+i\,z\,\alpha\,\theta+\sqrt{\alpha^2-\delta^2}\,\sqrt{r\,(\alpha+\delta)-z\,\theta}\,\sqrt{r\,(-\alpha+\delta)+z\,\theta}\Big)\Big)\Bigg)d\delta\,d\alpha\,d\theta\,dz$$

This form does not integrate with respect to the variables.

$$\int\int\int\int\int\frac{\sqrt{-r^2\,\alpha^2+r^2\,\delta^2+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{\delta}\,dr\,d\delta\,d\alpha\,d\theta\,dz$$

$$\frac{1}{36}\int\Bigg(-\frac{5}{2}\,i\,r\,z^2\,\theta^2-\frac{4\,i\,z^3\,\theta^3}{3\,\alpha}-\frac{4\,i\,z^3\,\theta^3}{3\,\sqrt{\alpha^2-\delta^2}}+\frac{4}{3}\,r^2\,\alpha\,\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\,+$$
$$\frac{14\,r^2\,\delta^2\,\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}}{3\,\alpha}+\frac{4}{3}\,r\,z\,\theta\,\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta-z^2\,\theta^2}\,+$$

$$\frac{4 z^2 \theta^2 \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}}{3 \alpha} - 4 i r^3 \alpha^2 \text{Log}[r \alpha - z \theta] + 8 i r^3 \alpha^2$$

$$\text{Log}[2 r \alpha - z \theta] + 3 i r^3 \delta^2 \text{Log}\left[2 \left(i r \alpha - i z \theta + \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\right)\right] +$$

$$2 i r^3 \alpha^2 \text{Log}\left[2 \sqrt{\alpha^2-\delta^2} \left(i r \alpha - i z \theta + \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\right)\right] +$$

$$i r^3 \delta^2 \text{Log}\left[2 \sqrt{\alpha^2-\delta^2} \left(i r \alpha - i z \theta + \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\right)\right] +$$

$$\frac{2 i z^3 \theta^3 \text{Log}\left[\frac{2 i (r (-\alpha^2+\delta^2)+z \alpha \theta)}{\sqrt{\alpha^2-\delta^2}} + 2 \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\right]}{\sqrt{\alpha^2-\delta^2}} +$$

$$\frac{2 i r^3 \alpha^3 \text{Log}\left[\frac{2 i r (\alpha^2-\delta^2) - 2 i z \alpha \theta - 2 \sqrt{\alpha^2-\delta^2} \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}}{r^2 z (\alpha^2-\delta^2)^{3/2}}\right]}{\sqrt{\alpha^2-\delta^2}} +$$

$$\frac{2 i r^3 \alpha \delta^2 \text{Log}\left[\frac{2 i r (\alpha^2-\delta^2) - 2 i z \alpha \theta - 2 \sqrt{\alpha^2-\delta^2} \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}}{r^2 z (\alpha^2-\delta^2)^{3/2}}\right]}{\sqrt{\alpha^2-\delta^2}} -$$

$$\frac{4 i r^3 \delta^4 \text{Log}\left[\frac{2 i r (\alpha^2-\delta^2) - 2 i z \alpha \theta - 2 \sqrt{\alpha^2-\delta^2} \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}}{r^2 z (\alpha^2-\delta^2)^{3/2}}\right]}{\alpha \sqrt{\alpha^2-\delta^2}} -$$

$$4 i r^3 \alpha^2 \text{Log}\Big[-\Big(\Big(3 \theta^3 \Big(r \sqrt{\alpha^2-\delta^2} (\alpha^2+\delta^2) - z \alpha \sqrt{\alpha^2-\delta^2}$$
$$\theta - i (\alpha^2-\delta^2) \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\Big)\Big) \Big/$$
$$\Big(2 r^4 \alpha^3 (\alpha^2-\delta^2)^{3/2} (2 r \alpha - z \theta)\Big)\Big)\Big] + 4 i r^3 \alpha^2$$

$$\text{Log}\Big[\Big(3 \theta^3 \Big(r \sqrt{\alpha^2-\delta^2} (\alpha^2+\delta^2) - z \alpha \sqrt{\alpha^2-\delta^2}\, \theta - i (\alpha^2-\delta^2)$$
$$\sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\Big)\Big) \Big/ \Big(2 r^4 \alpha^3 (\alpha^2-\delta^2)^{3/2} (2 r \alpha - z \theta)\Big)\Big] -$$

$$\frac{i z^3 \theta^3 \text{Log}\left[\frac{2 \alpha \left(r^2 \alpha \sqrt{\alpha^2-\delta^2} + 2 r z \alpha \theta - z^2 \theta^2 - i (r \alpha - z \theta) \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\right)}{\left(\alpha + \sqrt{\alpha^2-\delta^2}\right) (r \alpha - z \theta)^2}\right]}{\alpha} - \frac{1}{\alpha}$$

$$i z^3 \theta^3 \text{Log}\Big[-\Big(\Big(2 \alpha \Big(r^2 \alpha \sqrt{\alpha^2-\delta^2} + z \theta \Big(z \theta - i \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\Big) + i$$
$$r \alpha \Big(2 i z \theta + \sqrt{r^2 (-\alpha^2+\delta^2)+2 r z \alpha \theta - z^2 \theta^2}\Big)\Big)\Big) \Big/$$

$$\Big(\Big(-\alpha + \sqrt{\alpha^2-\delta^2}\Big) (r \alpha - z \theta)^2\Big)\Big)\Big] \Bigg) d\alpha +$$

$$\int \Bigg(\frac{1}{8} \left(\frac{2 r^2 \delta^2}{z} + 2 r \alpha \theta - 2 z \theta^2\right) \sqrt{-r^2 \alpha^2 + r^2 \delta^2 + 2 r z \alpha \theta - z^2 \theta^2} +$$

$$\frac{1}{8} \sqrt{2 r \alpha - z \theta} \left(-\frac{r^2 \alpha^2 \sqrt{\theta} \left(\text{Log}[\alpha - \delta] + \text{Log}[\alpha + \delta] - \text{Log}[\alpha^2 - \delta^2]\right)}{3 \sqrt{z}} -\right.$$

$$\frac{1}{9} r \sqrt{z}\, \alpha \theta^{3/2} \left(\text{Log}[\alpha - \delta] + \text{Log}[\alpha + \delta] - \text{Log}[\alpha^2 - \delta^2]\right) +$$

$$\frac{14}{9} z^{3/2} \theta^{5/2} \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)\Bigg) -$$

$$\frac{r^3 \alpha^3 (\alpha-\delta)(\alpha+\delta) \text{ArcTan}\left[\frac{\sqrt{2 r \alpha - z \theta}}{\sqrt{z}\sqrt{\theta}}\right] \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)}{12 z \left(\alpha^2-\delta^2\right)} -$$

$$\frac{1}{6} z^2 \theta^3 \text{ArcTan}\left[\frac{\sqrt{2 r \alpha - z \theta}}{\sqrt{z}\sqrt{\theta}}\right] \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right) +$$

$$\frac{1}{2} i r^2 \delta^2 \theta \,\text{Log}[-r\alpha + z\theta] +$$

$$\frac{1}{12 z \left(\alpha^2-\delta^2\right)} i r^3 \alpha^3 (\alpha-\delta)(\alpha+\delta) \left(\text{Log}[\alpha-\delta]+\text{Log}[\alpha+\delta]-\text{Log}\left[\alpha^2-\delta^2\right]\right)$$

$$\left(-i\,\text{ArcTan}\left[\frac{\sqrt{2 r \alpha - z \theta}}{\sqrt{z}\sqrt{\theta}}\right] + \text{Log}\left[-2 i \sqrt{z}\sqrt{\alpha^2-\delta^2}\sqrt{\theta} + 2\sqrt{\alpha^2-\delta^2}\sqrt{2 r \alpha - z\theta}\right]\right) +$$

$$\frac{1}{4} i r^2 \delta^2 \theta \Bigg(-2 - 2\,\text{Log}[-r\alpha + z\theta] -$$

$$\text{Log}\left[\frac{2 i \alpha^2 \left(r\alpha - z\theta + i\sqrt{-r^2\alpha^2 + r^2\delta^2 + 2 r z \alpha\theta - z^2\theta^2}\right)}{\delta (r\alpha - z\theta)^2}\right] +$$

$$\text{Log}\left[2\left(-i r\alpha + i z\theta + \sqrt{-r^2\alpha^2 + r^2\delta^2 + 2 r z \alpha\theta - z^2\theta^2}\right)\right]\Bigg) -$$

$$\frac{1}{12} i z^2 \theta^3 \Bigg(2\,\text{Log}[-\alpha]\,\text{Log}\left[-\alpha + \sqrt{\alpha^2-\delta^2}\right] - \text{Log}[\alpha]\,\text{Log}\left[-\alpha + \sqrt{\alpha^2-\delta^2}\right] +$$

$$2\,\text{Log}\left[\alpha + \sqrt{\alpha^2-\delta^2}\right] - \text{Log}[\alpha]\,\text{Log}\left[\alpha + \sqrt{\alpha^2-\delta^2}\right] -$$

$$2\Bigg(-2\,\text{Log}[-r\alpha + z\theta] - \text{Log}\left[\frac{2 i \alpha^2 \left(r\alpha - z\theta + i\sqrt{-r^2\alpha^2 + r^2\delta^2 + 2 r z \alpha\theta - z^2\theta^2}\right)}{\delta (r\alpha - z\theta)^2}\right] +$$

$$\text{Log}\left[2\left(-i r\alpha + i z\theta + \sqrt{-r^2\alpha^2 + r^2\delta^2 + 2 r z \alpha\theta - z^2\theta^2}\right)\right]\Bigg)\Bigg) -$$

$$\frac{1}{12\sqrt{\alpha^2-\delta^2}} i z^2 \sqrt{-\delta^2}\sqrt{\frac{-\alpha^2+\delta^2}{\delta^2}}\,\theta^3 \Bigg(\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right]^2 -$$

$$2\,\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right] \text{Log}\left[1 - e^{2\,\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right]}\right] -$$

$$2\,\text{Log}[-\alpha]\,\text{Log}\left[-\frac{\alpha}{\sqrt{-\delta^2}} + \sqrt{\frac{-\alpha^2+\delta^2}{\delta^2}}\right] - \text{PolyLog}\left[2, e^{2\,\text{ArcSinh}\left[\frac{\alpha}{\sqrt{-\delta^2}}\right]}\right]\Bigg)\Bigg) dz +$$

$$\frac{1}{8}\,\mathbb{i}\iint \mathrm{Log}\left[\frac{2\,\mathbb{i}\,\alpha^2\left(r\,\alpha - z\,\theta + \mathbb{i}\,\sqrt{-(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)}\right)}{\delta\,(r\,\alpha - z\,\theta)^2}\right]\Bigg(2\,r^2\,\delta^2 - 4\,r\,z\,\alpha\,\theta +$$

$$4\,z^2\,\theta^2 + z^2\,\theta^2\,\mathrm{Log}\left[\frac{2\,\mathbb{i}\,\alpha^2\left(r\,\alpha - z\,\theta + \mathbb{i}\,\sqrt{-(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)}\right)}{\delta\,(r\,\alpha - z\,\theta)^2}\right] -$$

$$2\,z^2\,\theta^2\,\mathrm{Log}\left[-\frac{2\left(-\mathbb{i}\,r\,\alpha + \mathbb{i}\,z\,\theta + \sqrt{-(r\,\alpha - r\,\delta - z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)}\right)}{\delta\,(r\,\alpha - z\,\theta)^2}\right]\Bigg)\,d\theta\,dz +$$

$$\frac{1}{12}\Bigg(-2\,r^2\,\delta^2\int\theta\Bigg(-\frac{\sqrt{r^2\left(-\alpha^2+\delta^2\right) + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\theta^2} -$$

$$\frac{\mathbb{i}\,r\,\alpha\,\sqrt{\theta\,(2\,r\,\alpha - z\,\theta)}\,\mathrm{Log}\left[2\,\mathbb{i}\,r\,\alpha - 2\,\mathbb{i}\,z\,\theta - \frac{2\,\sqrt{\theta}\,\sqrt{2\,r\,\alpha - z\,\theta}\,\sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\sqrt{\theta\,(2\,r\,\alpha - z\,\theta)}}\right]}{\theta^{5/2}\,\sqrt{2\,r\,\alpha - z\,\theta}}\Bigg)$$

$$d\theta - 3\iiint\frac{1}{\alpha\,(r\,\alpha - z\,\theta)}\Bigg(-2\,\mathbb{i}\left(r^3\,\alpha^3 - 2\,r^2\,z\,\alpha^2\,\theta + r\,z^2\,\alpha\,\theta^2 - z^3\,\theta^3\right)$$

$$\mathrm{Log}\left[-\frac{2\left(-\mathbb{i}\,r\,\alpha + \mathbb{i}\,z\,\theta + \sqrt{r^2\left(-\alpha^2+\delta^2\right) + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}\right)}{\delta\,(r\,\alpha - z\,\theta)^2}\right] -$$

$$\Big(z^{3/2}\,\theta^{5/2}\,\sqrt{2\,r\,\alpha - z\,\theta}\,\left(2\,r^2\,\alpha^2 - 3\,r\,z\,\alpha\,\theta + z^2\,\theta^2\right)$$

$$\Big(2\,\mathrm{Log}\Big[2\,r\,z\,\alpha\,\theta - z^2\,\theta^2 + \Big(\sqrt{z}\,\sqrt{\theta}\,(-2\,r\,\alpha + z\,\theta)\,(r\,(-\alpha+\delta) + z\,\theta)$$

$$(-r\,(\alpha+\delta) + z\,\theta)\Big)\Big/\Big(\texttt{Integrate`Elliptic`Sqrt1}[2\,r\,\alpha - z\,\theta]\times$$

$$\texttt{Integrate`Elliptic`Sqrt1}[-(r\,(\alpha-\delta) - z\,\theta)$$

$$(r\,(\alpha+\delta) - z\,\theta)]\Big)\Big] - \mathrm{Log}\Big[r^2\,\alpha\,(-\alpha+\delta) + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2 +$$

$$\Big(\sqrt{z}\,\sqrt{\theta}\,(-2\,r\,\alpha + z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)\,(-r\,(\alpha+\delta) + z\,\theta)\Big)\Big/$$

$$\Big(\texttt{Integrate`Elliptic`Sqrt1}[2\,r\,\alpha - z\,\theta]\times$$

$$\texttt{Integrate`Elliptic`Sqrt1}[-(r\,\alpha - r\,\delta - z\,\theta)$$

$$(r\,(\alpha+\delta) - z\,\theta)]\Big)\Big] - \mathrm{Log}\Big[-r^2\,\alpha\,(\alpha+\delta) + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2 +$$

$$\Big(\sqrt{z}\,\sqrt{\theta}\,(-2\,r\,\alpha + z\,\theta)\,(-r\,\alpha + r\,\delta + z\,\theta)\,(-r\,(\alpha+\delta) + z\,\theta)\Big)\Big/$$

$$\Big(\texttt{Integrate`Elliptic`Sqrt1}[2\,r\,\alpha - z\,\theta]\times$$

$$\texttt{Integrate`Elliptic`Sqrt1}[$$

$$-(r\,\alpha - r\,\delta - z\,\theta)\,(r\,(\alpha+\delta) - z\,\theta)]\Big)\Big]\Big)\Big)\Big/$$

$$\Big(\sqrt{\theta\,(2\,r\,\alpha - z\,\theta)}\,\texttt{Integrate`Elliptic`Sqrt1}[\theta\,(2\,r\,\alpha - z\,\theta)]\Big) +$$

$$\frac{r\,z^2\,\alpha\,\theta^2\,(-r\,\alpha + z\,\theta)\,\mathrm{Log}\left[-\frac{2\left(-\mathbb{i}\,r\,\alpha + \mathbb{i}\,z\,\theta - \frac{(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)}{\texttt{Integrate`Elliptic`Sqrt1}[-(r\,(\alpha-\delta)-z\,\theta)\,(r\,(\alpha+\delta)-z\,\theta)]}\right)}{\delta\,(r\,\alpha - z\,\theta)^2}\right]}{\texttt{Integrate`Elliptic`Sqrt1}[-(r\,(\alpha-\delta) - z\,\theta)\,(r\,(\alpha+\delta) - z\,\theta)]}\Bigg)$$

$$d\alpha\,d\theta\,dz + \frac{1}{\sqrt{2\,r\,\alpha - z\,\theta}}2\,\mathbb{i}\,r^2\,z\,\delta^2\,\sqrt{\theta}\,\sqrt{\theta\,(2\,r\,\alpha - z\,\theta)}$$

$$\mathrm{Log}\left[-2\,\mathbb{i}\,r\,\alpha + 2\,\mathbb{i}\,z\,\theta - \frac{2\,\sqrt{\theta}\,\sqrt{2\,r\,\alpha - z\,\theta}\,\sqrt{-r^2\,\alpha^2 + r^2\,\delta^2 + 2\,r\,z\,\alpha\,\theta - z^2\,\theta^2}}{\sqrt{\theta\,(2\,r\,\alpha - z\,\theta)}}\right] - 2$$

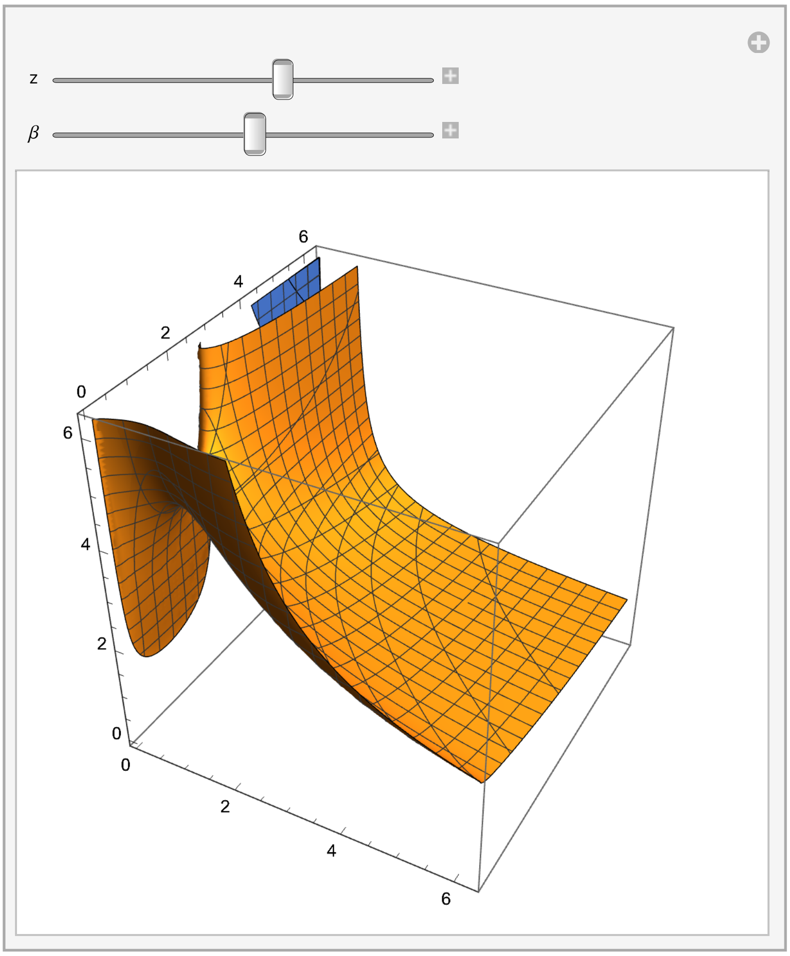
$$i\, r^2\, \delta^2 \left(i \sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\, r\, z\, \alpha\, \theta - z^2\, \theta^2} + r\, \alpha\, \mathrm{Log}\left[2\left(i\, r\, \alpha - i\, z\, \theta + \sqrt{r^2\left(-\alpha^2+\delta^2\right)+2\, r\, z\, \alpha\, \theta - z^2\, \theta^2}\right)\right]\right)$$

Nor does the above form integrate with respect to the variables, however,

$$\int\!\!\int\!\!\int\!\!\int\!\!\int \frac{z\, \theta}{\alpha + \delta\, \mathrm{Cos}[\beta]}\, \mathrm{Sin}[\beta]\, d\beta\, d\delta\, d\alpha\, d\theta\, dz$$

$$-\frac{1}{4} z^2\, \theta^2 \left(\delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + \alpha\left(\mathrm{Log}[\delta]\left(-1 + \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \mathrm{Log}\left[1 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]\right) + \mathrm{Log}\left[1 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]\right) - \alpha\, \mathrm{PolyLog}\left[2, -\frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]\right)$$

In[∘]:=
$$\text{Manipulate}\Big[\text{ContourPlot3D}\Big[-\frac{1}{4} z^2 \theta^2 \Big(\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] + \alpha\Big(\text{Log}[\delta]\Big(-1+\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-\text{Log}\Big[1+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]\Big)+\text{Log}\Big[1+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]\Big) - \alpha\,\text{PolyLog}\Big[2,-\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]\Big), \{\delta, 0, 2\pi\}, \{\alpha, 0, 2\pi\}, \{\theta, 0, 2\pi\}\Big], \{z, 0, 50000\}, \{\beta, 0, \pi/2\}\Big]$$

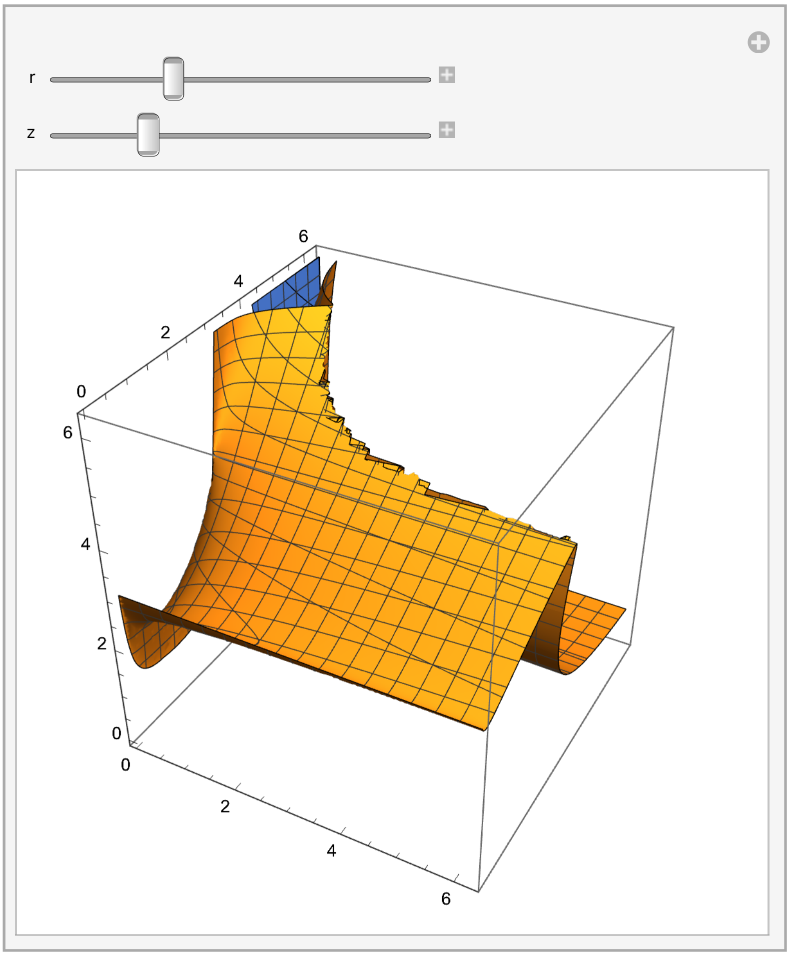
Out[∘]=


Does integrate. Therefore, we can say that :

In[•]:=

$$\text{Manipulate}\Big[\text{ContourPlot3D}\Big[-\frac{1}{4} z^2 \theta^2 \Bigg(\delta \sqrt{1-\frac{(r\alpha+r\delta-z\theta)(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}\ \text{Log}\Big[\alpha+\delta\sqrt{1-\frac{(r\alpha+r\delta-z\theta)(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}\Big] + \alpha\Bigg(\text{Log}[\delta]\Bigg(-1+\text{Log}\Big[\alpha+\delta\sqrt{1-\frac{(r\alpha+r\delta-z\theta)(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}\Big]-\text{Log}\Big[1+\frac{\delta\sqrt{1-\frac{(r\alpha+r\delta-z\theta)(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}}{\alpha}\Big]\Bigg)+\text{Log}\Big[1+\frac{\delta\sqrt{1-\frac{(r\alpha+r\delta-z\theta)(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}}{\alpha}\Big]\Bigg)-\alpha\,\text{PolyLog}\Big[2,-\frac{\delta\sqrt{1-\frac{(r\alpha+r\delta-z\theta)(-r\alpha+r\delta+z\theta)}{r^2\delta^2}}}{\alpha}\Big]\Bigg), \{\delta, 0, 2\pi\},\ \{\alpha, 0, 2\pi\}, \{\theta, 0, 2\pi\}\Big], \{r, 0, 5\}, \{z, 0, 5\}\Big]$$

Out[•]=



Power: Infinite expression $\frac{1}{0.}$ encountered.

Infinity: Indeterminate expression 0. ComplexInfinity encountered.

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Power: Infinite expression $\frac{1}{0.}$ encountered.

General: Further output of Power::infy will be suppressed during this calculation.

Infinity: Indeterminate expression 0. ComplexInfinity encountered.

General: Further output of Infinity::indet will be suppressed during this calculation.

The two graphs look almost identical.

Furthermore,

it is of high interest that : $-\frac{1}{4} z^2 \theta^2 \left(\delta \operatorname{Cos}[\beta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] + \alpha \left(\operatorname{Log}[\delta] \left(-1 + \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] - \operatorname{Log}\left[1 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]\right) + \operatorname{Log}\left[1 + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]\right) - \alpha \operatorname{PolyLog}\left[2, -\frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]\right) ==$

$$\frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r z \alpha \theta + c^2 z \delta^2 \eta^2 \theta + c^2 z^2 \theta^2}}{\sqrt{r^2 \alpha^2 - 1. r^2 \delta^2 - 2. r z \alpha \theta + z \delta^2 \eta^2 \theta + z^2 \theta^2}},$$

if we take the original
height
solution
as
a
distance,
and the non - commutative embedded algebra as velocity,
so we
have actually
multiple ways of
doing the integral,
if we accept such postulates.

$$\text{Solve}\left[\frac{\sqrt{\theta \Big/ \sqrt{1 - \frac{(v)^2}{c^2}}}\ \sqrt{\sqrt{1 - \frac{(v)^2}{c^2}}\ z}\ \sqrt{-\left(r\ \frac{(\alpha-\delta)}{(z\,\theta)} - 1\right)\left(r\ \frac{(\alpha+\delta)}{(z\,\theta)} - 1\right)}}{\delta} == \eta,\ v\right]$$

$$\Big\{\Big\{v \to -\Big(\Big(1.\ \sqrt{}\ \big(8.98755 \times 10^{16}\ r^2 \alpha^2 - 8.98755 \times 10^{16}\ r^2 \delta^2 - 1.79751 \times 10^{17}\ r\, z\, \alpha\, \theta + 8.98755 \times 10^{16}\ z\, \delta^2 \eta^2 \theta + 8.98755 \times 10^{16}\ z^2 \theta^2\big)\Big) \Big/ \Big(\sqrt{r^2 \alpha^2 - 1.\ r^2 \delta^2 - 2.\ r\, z\, \alpha\, \theta + z\, \delta^2 \eta^2 \theta + z^2 \theta^2}\Big)\Big)\Big\},$$
$$\Big\{v \to \Big(\sqrt{}\ \big(8.98755 \times 10^{16}\ r^2 \alpha^2 - 8.98755 \times 10^{16}\ r^2 \delta^2 - 1.79751 \times 10^{17}\ r\, z\, \alpha\, \theta + 8.98755 \times 10^{16}\ z\, \delta^2 \eta^2 \theta + 8.98755 \times 10^{16}\ z^2 \theta^2\big)\Big) \Big/ \Big(\sqrt{r^2 \alpha^2 - 1.\ r^2 \delta^2 - 2.\ r\, z\, \alpha\, \theta + z\, \delta^2 \eta^2 \theta + z^2 \theta^2}\Big)\Big\}\Big\}$$

Explicitly stated : $\displaystyle\int\!\!\int\!\!\int\!\!\int\!\!\int \frac{z\,\theta}{\alpha + \delta\,\text{Cos}[\beta]}\ \text{Sin}[\beta]\ d\beta\ d\delta\ d\alpha\ d\theta\ dz ==$

$$\frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r z \alpha \theta + c^2 z \delta^2 \eta^2 \theta + c^2 z^2 \theta^2}}{\sqrt{r^2 \alpha^2 - 1. r^2 \delta^2 - 2. r z \alpha \theta + z \delta^2 \eta^2 \theta + z^2 \theta^2}} =$$

$$-\frac{1}{4} z^2 \theta^2 \left(\delta\,\text{Cos}[\beta]\ \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] + \alpha\left(\text{Log}[\delta]\ \left(-1 + \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right) - \alpha\,\text{PolyLog}\left[2, -\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\right)$$

Which can actually be solved as follows :

$$\text{Solve}\left[\frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r z \alpha \theta + c^2 z \delta^2 \eta^2 \theta + c^2 z^2 \theta^2}}{\sqrt{r^2 \alpha^2 - 1. r^2 \delta^2 - 2. r z \alpha \theta + z \delta^2 \eta^2 \theta + z^2 \theta^2}} ==\right.$$

$$-\frac{1}{4} z^2 \theta^2 \left(\delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + \right.$$
$$\alpha \left(\mathrm{Log}[\delta] \left(-1 + \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - \mathrm{Log}\left[1 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]\right) + \right.$$
$$\left.\left.\mathrm{Log}\left[1 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]\right) - \alpha\, \mathrm{PolyLog}\left[2, -\frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]\right), c]$$

$$\{\{c \to$$
$$-\left(\left(1.\, z^2 \sqrt{\left(1.\, r^2 \alpha^4 \theta^4 \mathrm{Log}[\delta]^2 - 1.\, r^2 \alpha^2 \delta^2 \theta^4 \mathrm{Log}[\delta]^2 - 2.\, r z \alpha^3 \theta^5 \mathrm{Log}[\delta]^2 + 1.\, z \alpha^2 \delta^2\right.}\right.\right.$$
$$\eta^2 \theta^5 \mathrm{Log}[\delta]^2 + 1.\, z^2 \alpha^2 \theta^6 \mathrm{Log}[\delta]^2 - 2.\, r^2 \alpha^3 \delta \theta^4 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + 2.\, r^2 \alpha \delta^3 \theta^4 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$4.\, r z \alpha^2 \delta \theta^5 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - 2.\, z \alpha \delta^3 \eta^2 \theta^5 \mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - 2.\, z^2 \alpha \delta \theta^6 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.\, r^2 \alpha^4 \theta^4 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + 2.\, r^2 \alpha^2 \delta^2 \theta^4 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + 4.\, r z \alpha^3 \theta^5 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.\, z \alpha^2 \delta^2 \eta^2 \theta^5 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] - 2.\, z^2 \alpha^2 \theta^6 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] + 1.\, r^2 \alpha^2 \delta^2 \theta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$1.\, r^2 \delta^4 \theta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - 2.\, r z \alpha \delta^2 \theta^5 \mathrm{Cos}[\beta]^2$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 1.\, z \delta^4 \eta^2 \theta^5 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$1.\, z^2 \delta^2 \theta^6 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.\, r^2 \alpha^3 \delta \theta^4 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - 2.\, r^2 \alpha \delta^3 \theta^4 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$4.\, r z \alpha^2 \delta \theta^5 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.\, z \alpha \delta^3 \eta^2 \theta^5 \mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.\, z^2 \alpha \delta \theta^6 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$1.\, r^2 \alpha^4 \theta^4 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - 1.\, r^2 \alpha^2 \delta^2 \theta^4 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - 2.\, r z \alpha^3 \theta^5 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$1.\, z \alpha^2 \delta^2 \eta^2 \theta^5 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 1.\, z^2 \alpha^2 \theta^6 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - 2.\, r^2 \alpha^4 \theta^4 \mathrm{Log}[\delta]\, \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2 \alpha^2 \delta^2 \theta^4 \mathrm{Log}[\delta]\, \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 4.\, r z \alpha^3 \theta^5 \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.\, z \alpha^2 \delta^2 \eta^2 \theta^5 \mathrm{Log}[\delta]\, \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z^2 \alpha^2 \theta^6 \mathrm{Log}[\delta]\, \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.\, r^2 \alpha^4 \theta^4 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.\, r^2 \alpha^2 \delta^2 \theta^4 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.\, r z \alpha^3 \theta^5 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.\, z \alpha^2 \delta^2 \eta^2 \theta^5 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.\, z^2 \alpha^2 \theta^6 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2 \alpha^3 \delta \theta^4 \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2 \alpha \delta^3 \theta^4 \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1. + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5 \operatorname{Cos}[\beta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5 \operatorname{Cos}[\beta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z^2\, \alpha\, \delta\, \theta^6 \operatorname{Cos}[\beta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha^4\, \theta^4 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$4.\, r\, z\, \alpha^3\, \theta^5 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, z^2\, \alpha^2\, \theta^6 \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha^3\, \delta\, \theta^4 \operatorname{Cos}[\beta] \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha\, \delta^3\, \theta^4 \operatorname{Cos}[\beta] \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$4.\, r\, z\, \alpha^2\, \delta\, \theta^5 \operatorname{Cos}[\beta] \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z\, \alpha\, \delta^3\, \eta^2\, \theta^5 \operatorname{Cos}[\beta] \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z^2\, \alpha\, \delta\, \theta^6 \operatorname{Cos}[\beta] \operatorname{Log}[\delta] \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, r^2\, \alpha^4\, \theta^4 \operatorname{Log}[\delta]^2 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4 \operatorname{Log}[\delta]^2 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$4.\, r\, z\, \alpha^3\, \theta^5 \operatorname{Log}[\delta]^2 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5 \operatorname{Log}[\delta]^2 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, z^2\, \alpha^2\, \theta^6 \operatorname{Log}[\delta]^2 \operatorname{Log}[\alpha + \delta \operatorname{Cos}[\beta]] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right] +$$
$$1.\, r^2\, \alpha^4\, \theta^4 \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 - 1.\, r^2\, \alpha^2\, \delta^2\, \theta^4 \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\, r\, z\, \alpha^3\, \theta^5 \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 + 1.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5 \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 +$$
$$1.\, z^2\, \alpha^2\, \theta^6 \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 - 2.\, r^2\, \alpha^4\, \theta^4 \operatorname{Log}[\delta] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\, r^2\, \alpha^2\, \delta^2\, \theta^4 \operatorname{Log}[\delta] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 +$$
$$4.\, r\, z\, \alpha^3\, \theta^5 \operatorname{Log}[\delta] \operatorname{Log}\left[1. + \frac{\delta \operatorname{Cos}[\beta]}{\alpha}\right]^2 - 2.\, z\, \alpha^2\, \delta^2\, \eta^2\, \theta^5 \operatorname{Log}[\delta]$$

$$\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$1.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$1.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+1.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\,r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,r^2\,\alpha^4\,\theta^4\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\,r\,z\,\alpha^3\,\theta^5\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\ r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$1.\ r^2\,\alpha^4\,\theta^4\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\ r\,z\,\alpha^3\,\theta^5\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+1.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5$$

$$\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+1.\ z^2\,\alpha^2\,\theta^6\,\text{PolyLog}\left[2.,\,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\Bigg)\Bigg/$$

$$\left(\sqrt{16.\ r^2\,\alpha^2-16.\ r^2\,\delta^2-32.\ r\,z\,\alpha\,\theta+16.\ z\,\delta^2\,\eta^2\,\theta+16.\ z^2\,\theta^2}\right)\Bigg)\Big\},$$

$$\Big\{c\to\Bigg(1.\ z^2\sqrt{\Big(}\Big(1.\ r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2-1.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]^2-2.\ r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]^2+$$

$$1.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]^2+1.\ z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]^2-$$

$$2.\ r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$

$$2.\ r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$

$$4.\ r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$2.\ z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$2.\ z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$2.\ r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$

$$2.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$

$$4.\ r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$2.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$

$$1.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$

$$1.\ r^2\,\delta^4\,\theta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$

$$2.\ r\,z\,\alpha\,\delta^2\,\theta^5\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$

$$1.\ z\,\delta^4\,\eta^2\,\theta^5\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$

$$1.\ z^2\,\delta^2\,\theta^6\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$

$$2.\ r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$

$$2.\ r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$

$$4.\ r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$

$$2.\ z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$

$$2.\ z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$

$$1.\ r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$

$$1.\ r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 -$$
$$2.\ r\, z\, \alpha^3 \theta^5 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 +$$
$$1.\ z\, \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 +$$
$$1.\ z^2 \alpha^2 \theta^6 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 - 2.\ r^2 \alpha^4 \theta^4 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\ r\, z\, \alpha^3 \theta^5 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ z\, \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ z^2 \alpha^2 \theta^6 \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.\ r^2 \alpha^4 \theta^4 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\ r\, z\, \alpha^3 \theta^5 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ z\, \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ z^2 \alpha^2 \theta^6 \text{Log}[\delta]^2 \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ r^2 \alpha^3 \delta \theta^4 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ r^2 \alpha \delta^3 \theta^4 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\ r\, z\, \alpha^2 \delta \theta^5 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ z\, \alpha \delta^3 \eta^2 \theta^5 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ z^2 \alpha \delta \theta^6 \text{Cos}[\beta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ r^2 \alpha^4 \theta^4 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ r^2 \alpha^2 \delta^2 \theta^4 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\ r\, z\, \alpha^3 \theta^5 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ z\, \alpha^2 \delta^2 \eta^2 \theta^5 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ z^2 \alpha^2 \theta^6 \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ r^2 \alpha^3 \delta \theta^4 \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ r^2 \alpha \delta^3 \theta^4 \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$

$$4.\ r\ z\ \alpha^2\ \delta\ \theta^5\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z\ \alpha\ \delta^3\ \eta^2\ \theta^5\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z^2\ \alpha\ \delta\ \theta^6\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\ \alpha^4\ \theta^4\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ r^2\ \alpha^2\ \delta^2\ \theta^4\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\ r\ z\ \alpha^3\ \theta^5\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z\ \alpha^2\ \delta^2\ \eta^2\ \theta^5\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z^2\ \alpha^2\ \theta^6\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$1.\ r^2\ \alpha^4\ \theta^4\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-1.\ r^2\ \alpha^2\ \delta^2\ \theta^4\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\ r\ z\ \alpha^3\ \theta^5\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+1.\ z\ \alpha^2\ \delta^2\ \eta^2\ \theta^5\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$1.\ z^2\ \alpha^2\ \theta^6\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-2.\ r^2\ \alpha^4\ \theta^4\ \text{Log}[\delta]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.\ r^2\ \alpha^2\ \delta^2\ \theta^4\ \text{Log}[\delta]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$4.\ r\ z\ \alpha^3\ \theta^5\ \text{Log}[\delta]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\ z\ \alpha^2\ \delta^2\ \eta^2\ \theta^5\ \text{Log}[\delta]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\ z^2\ \alpha^2\ \theta^6\ \text{Log}[\delta]\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$1.\ r^2\ \alpha^4\ \theta^4\ \text{Log}[\delta]^2\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.\ r^2\ \alpha^2\ \delta^2\ \theta^4\ \text{Log}[\delta]^2\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\ r\ z\ \alpha^3\ \theta^5\ \text{Log}[\delta]^2\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$1.\ z\ \alpha^2\ \delta^2\ \eta^2\ \theta^5\ \text{Log}[\delta]^2\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$1.\ z^2\ \alpha^2\ \theta^6\ \text{Log}[\delta]^2\ \text{Log}\left[1.+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.\ r^2\ \alpha^4\ \theta^4\ \text{Log}[\delta]\ \text{PolyLog}\left[2.,-\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\ \alpha^2\ \delta^2\ \theta^4\ \text{Log}[\delta]\ \text{PolyLog}\left[2.,-\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\ r\ z\ \alpha^3\ \theta^5\ \text{Log}[\delta]\ \text{PolyLog}\left[2.,-\frac{1.\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\,\alpha^3\,\delta\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ r^2\,\alpha\,\delta^3\,\theta^4\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\ r\,z\,\alpha^2\,\delta\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z\,\alpha\,\delta^3\,\eta^2\,\theta^5\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z^2\,\alpha\,\delta\,\theta^6\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\ r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\,\alpha^4\,\theta^4\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\ r\,z\,\alpha^3\,\theta^5\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ r^2\,\alpha^4\,\theta^4\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ r^2\,\alpha^2\,\delta^2\,\theta^4\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\ r\,z\,\alpha^3\,\theta^5\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ z\,\alpha^2\,\delta^2\,\eta^2\,\theta^5\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\ z^2\,\alpha^2\,\theta^6\,\text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$1.\ r^2\,\alpha^4\,\theta^4\,\text{PolyLog}\left[2.,-\frac{1.\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.\, r^2 \alpha^2 \delta^2 \theta^4 \, \text{PolyLog}\left[2.,\, -\frac{1.\, \delta \, \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\, r\, z\, \alpha^3 \theta^5 \, \text{PolyLog}\left[2.,\, -\frac{1.\, \delta \, \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$1.\, z\, \alpha^2 \delta^2 \eta^2 \theta^5 \, \text{PolyLog}\left[2.,\, -\frac{1.\, \delta \, \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$1.\, z^2 \alpha^2 \theta^6 \, \text{PolyLog}\left[2.,\, -\frac{1.\, \delta \, \text{Cos}[\beta]}{\alpha}\right]^2 \Bigg)\Bigg) \Big/$$
$$\left(\sqrt{16.\, r^2 \alpha^2 - 16.\, r^2 \delta^2 - 32.\, r\, z\, \alpha\, \theta + 16.\, z\, \delta^2 \eta^2 \theta + 16.\, z^2 \theta^2}\right)\}\}$$

The speed of light can be shown to be a variable, not a constant. When scientists measure the speed of light in a so - called vacuum, they are postulating that they are able to be in a vacuum with their instruments, their consciousness, and even the very assumed vacuum space they are supposedly in is defined by planets, stars, black holes, quasars and galaxies. So, really, the whole premise that one can measure the speed of light in a vacuum with instruments and detections is wrong headed, unless what they are measuring is not really light at all, but rather an aspect of a material framework. Instead, let us use the mind, and the deductions from simple algebraic geometries to describe the speed of light. When we do that, we realize it is an elliptical equation based on polylogarithms with regard to the initial conditions of the geometry for the relevant system.

Considering, we can set z * θ = s, we can also state that :

Solve[

$$\frac{\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2\, c^2\, r\, s\, \alpha + c^2\, s\, \delta^2 \eta^2 + c^2 s^2}}{\sqrt{r^2 \alpha^2 - 1.\grave{}\; r^2 \delta^2 - 2.\grave{}\; r\, s\, \alpha + s\, \delta^2 \eta^2 + s^2}} == -\frac{1}{4} s^2 \Bigg(\delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] +$$
$$\alpha \left(\text{Log}[\delta] \left(-1 + \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) -$$
$$\alpha\, \text{PolyLog}\left[2,\, -\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\Bigg),\, s\Big]$$

$$\{\{s \to$$
$$-\Bigg(\left(2.\, \sqrt{c}\right) \Big/ \Big(\alpha^2\, \text{Log}[\delta]^2 - 2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - 2.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}[$$
$$\alpha + \delta\, \text{Cos}[\beta]] + \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + 2.\, \alpha\, \delta\, \text{Cos}[\beta]$$
$$\text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \alpha^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\, \alpha^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\, \alpha^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\alpha^2 \text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2-2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2 \text{Log}[\delta]^2\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2+2.\,\alpha^2 \text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha^2 \text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$\left.\left.\alpha^2 \text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]^2\right)^{1/4}\right)\Big\},$$

$$\Big\{s\to-\left(\left((0.+2.\,i)\,\sqrt{c}\right)\Big/\left(\alpha^2 \text{Log}[\delta]^2-2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]-\right.\right.$$
$$2.\,\alpha^2 \text{Log}[\delta]^2\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]+\delta^2 \text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]^2+$$
$$2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]^2+\alpha^2 \text{Log}[\delta]^2\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]^2-$$
$$2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]+2.\,\alpha^2 \text{Log}[\delta]^2\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha^2 \text{Log}[\delta]^2\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^2 \text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2-2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2 \text{Log}[\delta]^2\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2+2.\,\alpha^2 \text{Log}[\delta]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]\,\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\,\alpha^2 \text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\,\alpha^2 \text{Log}[\delta]\,\text{Log}\left[1.+\frac{\delta \text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]+$$
$$\left.\left.\alpha^2 \text{PolyLog}\left[2.,-\frac{1.\,\delta \text{Cos}[\beta]}{\alpha}\right]^2\right)^{1/4}\right)\Big\},$$

$$\Big\{s\to\left((0.+2.\,i)\,\sqrt{c}\right)\Big/\left(\alpha^2 \text{Log}[\delta]^2-2.\,\alpha\,\delta \text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]-\right.$$
$$2.\,\alpha^2 \text{Log}[\delta]^2\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]+\delta^2 \text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta \text{Cos}[\beta]]^2+$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^{2}+\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^{2}-$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.\,\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}-2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}+$$

$$\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}+2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\left.\left.\alpha^{2}\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}\right)^{1/4}\right\},$$

$$\left\{s\to\left(2.\,\sqrt{c}\right)\middle/\left(\alpha^{2}\,\mathrm{Log}[\delta]^{2}-2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]-\right.\right.$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]+\delta^{2}\,\mathrm{Cos}[\beta]^{2}\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^{2}+$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^{2}+\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^{2}-$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.\,\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}-2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}+$$

$$\alpha^{2}\,\mathrm{Log}[\delta]^{2}\,\mathrm{Log}\left[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^{2}+2.\,\alpha^{2}\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\left[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\ \alpha^2 \text{Log}[\delta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\ \alpha^2 \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\ \alpha^2 \text{Log}[\delta]\ \text{Log}\left[1. + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^2\, \text{PolyLog}\left[2.,\ -\frac{1.\ \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 \Bigg)^{1/4} \Bigg\}\Bigg\}$$

Solve[

$$s == \left(2.\grave{}\ \sqrt{c}\right) \Big/ \Bigg(\alpha^2 \text{Log}[\delta]^2 - 2.\grave{}\ \alpha\,\delta\, \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - 2.\grave{}\ \alpha^2 \text{Log}[\delta]^2$$
$$\text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \delta^2 \text{Cos}[\beta]^2\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 +$$
$$2.\grave{}\ \alpha\,\delta\, \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 + \alpha^2 \text{Log}[\delta]^2\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]^2 -$$
$$2.\grave{}\ \alpha^2 \text{Log}[\delta]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] + 2.\grave{}\ \alpha^2 \text{Log}[\delta]^2\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}\ \alpha\,\delta\, \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}\ \alpha^2 \text{Log}[\delta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}\ \alpha\,\delta\, \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}\ \alpha^2 \text{Log}[\delta]^2\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^2 \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\grave{}\ \alpha^2 \text{Log}[\delta]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2 \text{Log}[\delta]^2\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\grave{}\ \alpha^2 \text{Log}[\delta]\ \text{PolyLog}\left[2.\grave{},\ -\frac{1.\grave{}\ \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}\ \alpha\,\delta\, \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\grave{},\ -\frac{1.\grave{}\ \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}\ \alpha^2 \text{Log}[\delta]\ \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\grave{},\ -\frac{1.\grave{}\ \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}\ \alpha^2 \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.\grave{},\ -\frac{1.\grave{}\ \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}\ \alpha^2 \text{Log}[\delta]\ \text{Log}\left[1.\grave{} + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.\grave{},\ -\frac{1.\grave{}\ \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^2\, \text{PolyLog}\left[2.\grave{},\ -\frac{1.\grave{}\ \delta\, \text{Cos}[\beta]}{\alpha}\right]^2 \Bigg)^{1/4},\ c\Bigg]$$

$$\Big\{\Big\{c \to 0.25\, s^2 \sqrt{\Big(1.\,\alpha^2\,\mathrm{Log}[\delta]^2 - 2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] -}$$

$$2.\,\alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] + 1.\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 +$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + 1.\,\alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 -$$

$$2.\,\alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] + 2.\,\alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +$$

$$2.\,\alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -$$

$$2.\,\alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +$$

$$1.\,\alpha^2\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2 - 2.\,\alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2 +$$

$$1.\,\alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2 + 2.\,\alpha^2\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -$$

$$2.\,\alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\Big[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -$$

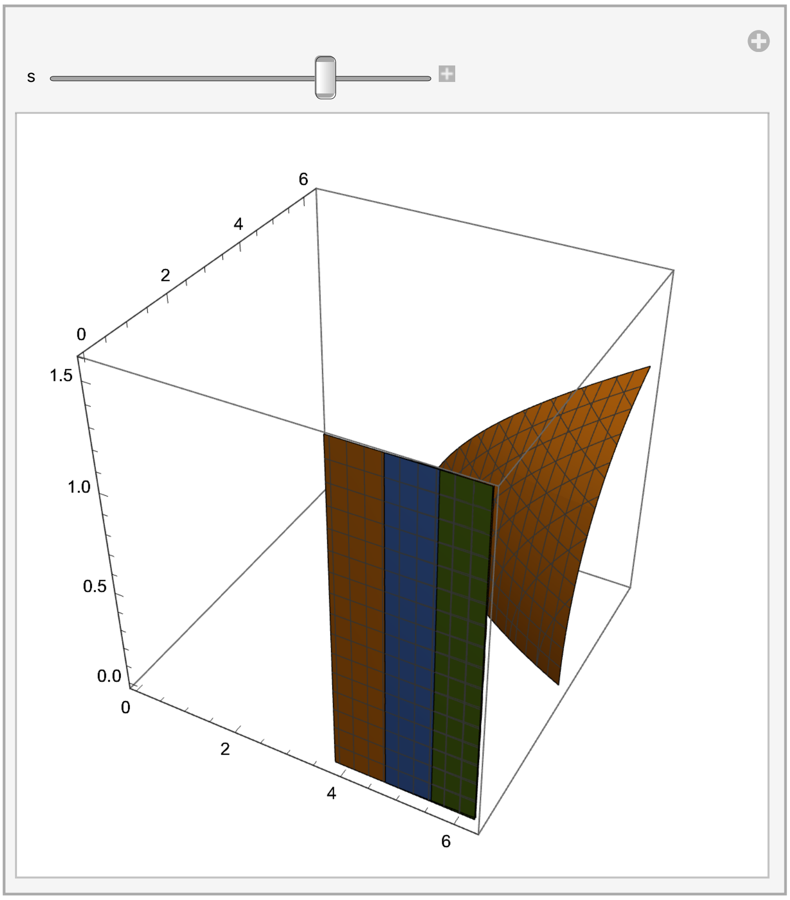
$$2.\,\alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\Big[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -$$

$$2.\,\alpha^2\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{PolyLog}\Big[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +$$

$$2.\,\alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\Big[1.+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{PolyLog}\Big[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +$$

$$1.\,\alpha^2\,\mathrm{PolyLog}\Big[2.,-\frac{1.\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2\Big)\Big\}\Big\}$$

$$
\begin{aligned}
&\texttt{Manipulate}\Big[\\
&\texttt{ContourPlot3D}\Big[0.25\grave{}\ s^2 \sqrt{\Big(1.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]^2 - 2.\grave{}\ \alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] -}\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] + 1.\grave{}\ \delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 +\\
&\quad 2.\grave{}\ \alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + 1.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 -\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] + 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +\\
&\quad 2.\grave{}\ \alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -\\
&\quad 2.\grave{}\ \alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +\\
&\quad 1.\grave{}\ \alpha^2\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2 - 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2 +\\
&\quad 1.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2 + 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.\grave{}, -\frac{1.\grave{}\ \delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -\\
&\quad 2.\grave{}\ \alpha\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\Big[2.\grave{}, -\frac{1.\grave{}\ \delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\Big[2.\grave{}, -\frac{1.\grave{}\ \delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] -\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{PolyLog}\Big[2.\grave{}, -\frac{1.\grave{}\ \delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +\\
&\quad 2.\grave{}\ \alpha^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\Big[1.\grave{} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{PolyLog}\Big[2.\grave{}, -\frac{1.\grave{}\ \delta\,\mathrm{Cos}[\beta]}{\alpha}\Big] +\\
&\quad 1.\grave{}\ \alpha^2\,\mathrm{PolyLog}\Big[2.\grave{}, -\frac{1.\grave{}\ \delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2\Big),\\
&\ \{\alpha, 0, 2\pi\}, \{\delta, 0, 2\pi\}, \{\beta, 0, \pi/2\}\Big], \{s,\\
&\ 1,\\
&\ 8\}\Big]
\end{aligned}
$$



9. Warp Variable Nature

The Seven Seals; The Seven Days of creation :

Starting with the generalized $\frac{\sqrt{c^2\ r^2\ \alpha^2 - c^2\ r^2\ \delta^2 - 2\ c^2\ r\ z\ \alpha\ \theta + c^2\ z\ \delta^2\ \eta^2\ \theta + c^2\ z^2\ \theta^2}}{\sqrt{r^2\ \alpha^2 - 1.\text{`}\ r^2\ \delta^2 - 2.\text{`}\ r\ z\ \alpha\ \theta + z\ \delta^2\ \eta^2\ \theta + z^2\ \theta^2}}$,

which came from the difference between two arc lengths equalling another arc length,
we make the algebraic statement that anything divided by itself
can be said to cancel out with itself, remembering that we are in a
construct brought from infinity within and from outside of the system,
and that we are finding patterns within the infinite nature of
the cosmos that may be useful for traveling large distances.

Furthermore, postulating that $\int\int\int\int\int \frac{s}{\alpha + \delta\, \text{Cos}[\beta]} \text{Sin}[\beta]\, d\beta\, d\delta\, d\alpha\, d\theta\, dz =$

$$\left(-\frac{1}{4} s^2 \left(\delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \alpha \left(\text{Log}[\delta] \left(-1 + \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) - \alpha\, \text{PolyLog}\left[2, -\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right)\right) \sqrt{r^2 \alpha^2 - 1.`\, r^2 \delta^2 - 2.`\, r\, s\, \alpha + s\, \delta^2 \left(\frac{s}{\alpha + \delta\, \text{Cos}[\beta]} \text{Sin}[\beta]\right)^2 + s^2},$$

which was proven in the previous chapters,
we can state that :

$$\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r\, s\, \alpha + c^2 s\, \delta^2 \left(\frac{s}{\alpha + \delta\, \text{Cos}[\beta]} \text{Sin}[\beta]\right)^2 + c^2 s^2} == \left(-\frac{1}{4} s^2 \left(\delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \alpha \left(\text{Log}[\delta] \left(-1 + \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) - \alpha\, \text{PolyLog}\left[2, -\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right)\right) \sqrt{r^2 \alpha^2 - 1.`\, r^2 \delta^2 - 2.`\, r\, s\, \alpha + s\, \delta^2 \left(\frac{s}{\alpha + \delta\, \text{Cos}[\beta]} \text{Sin}[\beta]\right)^2 + s^2}$$

Solving the equation, we find that we get 7 roots to this function,
which can be graphed from a spherical plot,
giving us three variables that we can manipulate to bend the coordinate system. Since these variables were generalized in the the original equation,
we do not have to worry that they hold constraints on each other.

In[•]:= $$\text{Solve}\left[\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r\, s\, \alpha + c^2 s\, \delta^2 \left(\frac{s}{\alpha + \delta\, \text{Cos}[\beta]} \text{Sin}[\beta]\right)^2 + c^2 s^2} == \left(-\frac{1}{4} s^2 \left(\delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] + \alpha \left(\text{Log}[\delta] \left(-1 + \text{Log}[\alpha + \delta\, \text{Cos}[\beta]] - \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) + \text{Log}\left[1 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right) - \alpha\, \text{PolyLog}\left[2, -\frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\right)\right) \sqrt{r^2 \alpha^2 - 1.`\, r^2 \delta^2 - 2.`\, r\, s\, \alpha + s\, \delta^2 \left(\frac{s}{\alpha + \delta\, \text{Cos}[\beta]} \text{Sin}[\beta]\right)^2 + s^2}, s\right]$$

Out[•]= $\{\{s \to 0.\},$
$\{s \to \text{Root}[2.00964 \times 10^{69} c^2 r + 4.01928 \times 10^{69} c^2 r\, \text{Cos}[\beta] + 2.00964 \times 10^{69} c^2 r\, \text{Cos}[\beta]^2 +$
$(-1.59922 \times 10^{68} c^2 - 3.19845 \times 10^{68} c^2\, \text{Cos}[\beta] - 1.59922 \times 10^{68} c^2\, \text{Cos}[\beta]^2)\, \#1 -$
$1.59922 \times 10^{68} c^2\, \text{Sin}[\beta]^2\, \#1^2 + (-1.67491 \times 10^{70} r - 3.34982 \times 10^{70} r\, \text{Cos}[\beta] -$

$1.67491\times10^{70}\ r\ \mathrm{Cos}[\beta]^2-1.52716\times10^{70}\ r\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]-$
$3.05432\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]-1.52716\times10^{70}\ r$
$\mathrm{Cos}[\beta]^2\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]-3.48112\times10^{69}\ r\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]^2-$
$6.96224\times10^{69}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]^2-3.48112\times10^{69}\ r\ \mathrm{Cos}[\beta]^2$
$\mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]^2+3.34982\times10^{70}\ r\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$8.52229\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$6.99513\times10^{70}\ r\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$1.82266\times10^{70}\ r\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$1.52716\times10^{70}\ r\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$3.88526\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$3.18904\times10^{70}\ r\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$8.30938\times10^{69}\ r\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$1.67491\times10^{70}\ r\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2-$
$5.17248\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2-$
$5.81608\times10^{70}\ r\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2-$
$2.81438\times10^{70}\ r\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2-$
$4.95859\times10^{69}\ r\ \mathrm{Cos}[\beta]^4\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2-1.82266\times10^{70}\ r$
$\mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]-3.64531\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]-$
$1.82266\times10^{70}\ r\ \mathrm{Cos}[\beta]^2\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]-$
$8.30938\times10^{69}\ r\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]-$
$1.66188\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]-$
$8.30938\times10^{69}\ r\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]+$
$1.82266\times10^{70}\ r\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]+$
$4.63703\times10^{70}\ r\ \mathrm{Cos}[\beta]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]$
$\mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]+3.80609\times10^{70}\ r\ \mathrm{Cos}[\beta]^2$
$\mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]+$
$9.91719\times10^{69}\ r\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]$
$\mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]-4.95859\times10^{69}\ r\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]^2-$
$9.91719\times10^{69}\ r\ \mathrm{Cos}[\beta]\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]^2-$
$4.95859\times10^{69}\ r\ \mathrm{Cos}[\beta]^2\ \mathrm{PolyLog}[2.,-1.\ \mathrm{Cos}[\beta]]^2\Big)\ \#1^4+$
$\Big(1.33285\times10^{69}+2.6657\times10^{69}\ \mathrm{Cos}[\beta]+1.33285\times10^{69}\ \mathrm{Cos}[\beta]^2+$
$1.21528\times10^{69}\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]+2.43055\times10^{69}\ \mathrm{Cos}[\beta]\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]+$
$1.21528\times10^{69}\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]+$
$2.77019\times10^{68}\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]^2+5.54037\times10^{68}\ \mathrm{Cos}[\beta]$
$\mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]^2+2.77019\times10^{68}\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]^2-$
$2.6657\times10^{69}\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$6.78183\times10^{69}\ \mathrm{Cos}[\beta]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$5.56655\times10^{69}\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$1.45042\times10^{69}\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$1.21528\times10^{69}\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$3.09179\times10^{69}\ \mathrm{Cos}[\beta]\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$2.53776\times10^{69}\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]-$
$6.6124\times10^{68}\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[1.+1.\ \mathrm{Cos}[\beta]]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]+$
$1.33285\times10^{69}\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2+$
$4.11613\times10^{69}\ \mathrm{Cos}[\beta]\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2+$
$4.62829\times10^{69}\ \mathrm{Cos}[\beta]^2\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2+$
$2.23961\times10^{69}\ \mathrm{Cos}[\beta]^3\ \mathrm{Log}[6.28318+6.28318\ \mathrm{Cos}[\beta]]^2+$

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        3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
        1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
         PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
        6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
        1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
        6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
        1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
        3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
         Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
        7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
        7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
        3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
    (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
        2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
        2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
         Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
        6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
        1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
         Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
        3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 1]},
{s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
    2.00964 × 10^69 c^2 r Cos[β]^2 +
    (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
    1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
    (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
        1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
        3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
         Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
        6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
         Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
        8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
        6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
        1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
        1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
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1.67491×10^{70} r Log[6.28318 + 6.28318 Cos[β]]^2 -
5.17248×10^{70} r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
5.81608×10^{70} r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
2.81438×10^{70} r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
4.95859×10^{69} r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 - 1.82266×10^{70} r
PolyLog[2., -1. Cos[β]] - 3.64531×10^{70} r Cos[β] PolyLog[2., -1. Cos[β]] -
1.82266×10^{70} r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
8.30938×10^{69} r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
1.66188×10^{70} r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
8.30938×10^{69} r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
1.82266×10^{70} r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
4.63703×10^{70} r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
PolyLog[2., -1. Cos[β]] + 3.80609×10^{70} r Cos[β]^2
Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
9.91719×10^{69} r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
PolyLog[2., -1. Cos[β]] - 4.95859×10^{69} r PolyLog[2., -1. Cos[β]]^2 -
9.91719×10^{69} r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
4.95859×10^{69} r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
(1.33285×10^{69} + 2.6657×10^{69} Cos[β] + 1.33285×10^{69} Cos[β]^2 +
1.21528×10^{69} Log[1. + 1. Cos[β]] + 2.43055×10^{69} Cos[β] Log[1. + 1. Cos[β]] +
1.21528×10^{69} Cos[β]^2 Log[1. + 1. Cos[β]] +
2.77019×10^{68} Log[1. + 1. Cos[β]]^2 + 5.54037×10^{68} Cos[β]
Log[1. + 1. Cos[β]]^2 + 2.77019×10^{68} Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
2.6657×10^{69} Log[6.28318 + 6.28318 Cos[β]] -
6.78183×10^{69} Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
5.56655×10^{69} Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
1.45042×10^{69} Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
1.21528×10^{69} Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
3.09179×10^{69} Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
2.53776×10^{69} Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
6.6124×10^{68} Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
1.33285×10^{69} Log[6.28318 + 6.28318 Cos[β]]^2 +
4.11613×10^{69} Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
4.62829×10^{69} Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
2.23961×10^{69} Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
3.94592×10^{68} Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
1.45042×10^{69} PolyLog[2., -1. Cos[β]] + 2.90085×10^{69} Cos[β]
PolyLog[2., -1. Cos[β]] + 1.45042×10^{69} Cos[β]^2 PolyLog[2., -1. Cos[β]] +
6.6124×10^{68} Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
1.32248×10^{69} Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
6.6124×10^{68} Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
1.45042×10^{69} Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
3.69003×10^{69} Cos[β] Log[6.28318 + 6.28318 Cos[β]]
PolyLog[2., -1. Cos[β]] - 3.02879×10^{69} Cos[β]^2
Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
7.89185×10^{68} Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
PolyLog[2., -1. Cos[β]] + 3.94592×10^{68} PolyLog[2., -1. Cos[β]]^2 +

$$
\begin{aligned}
&7.89185\times10^{68}\,\text{Cos}[\beta]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]^{2}+\\
&3.94592\times10^{68}\,\text{Cos}[\beta]^{2}\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]^{2}\big)\,\#1^{5}+\\
&\big(1.33285\times10^{69}\,\text{Sin}[\beta]^{2}+1.21528\times10^{69}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}+\\
&2.77019\times10^{68}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]^{2}\,\text{Sin}[\beta]^{2}-\\
&2.6657\times10^{69}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}-\\
&1.45042\times10^{69}\,\text{Cos}[\beta]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}-\\
&1.21528\times10^{69}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}-\\
&6.6124\times10^{68}\,\text{Cos}[\beta]\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\\
&\text{Sin}[\beta]^{2}+1.33285\times10^{69}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}\,\text{Sin}[\beta]^{2}+\\
&1.45042\times10^{69}\,\text{Cos}[\beta]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}\,\text{Sin}[\beta]^{2}+\\
&3.94592\times10^{68}\,\text{Cos}[\beta]^{2}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}\,\text{Sin}[\beta]^{2}+\\
&1.45042\times10^{69}\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}+\\
&6.6124\times10^{68}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}-\\
&1.45042\times10^{69}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\\
&\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}-7.89185\times10^{68}\,\text{Cos}[\beta]\\
&\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^{2}+\\
&3.94592\times10^{68}\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]^{2}\,\text{Sin}[\beta]^{2}\big)\,\#1^{6}\,\&,2\big]\big\},\\
&\big\{s\to\text{Root}\big[2.00964\times10^{69}\,c^{2}\,r+4.01928\times10^{69}\,c^{2}\,r\,\text{Cos}[\beta]+\\
&2.00964\times10^{69}\,c^{2}\,r\,\text{Cos}[\beta]^{2}+\\
&\big(-1.59922\times10^{68}\,c^{2}-3.19845\times10^{68}\,c^{2}\,\text{Cos}[\beta]-1.59922\times10^{68}\,c^{2}\,\text{Cos}[\beta]^{2}\big)\,\#1-\\
&1.59922\times10^{68}\,c^{2}\,\text{Sin}[\beta]^{2}\,\#1^{2}+\\
&\big(-1.67491\times10^{70}\,r-3.34982\times10^{70}\,r\,\text{Cos}[\beta]-\\
&1.67491\times10^{70}\,r\,\text{Cos}[\beta]^{2}-1.52716\times10^{70}\,r\,\text{Log}[1.+1.\,\text{Cos}[\beta]]-\\
&3.05432\times10^{70}\,r\,\text{Cos}[\beta]\,\text{Log}[1.+1.\,\text{Cos}[\beta]]-1.52716\times10^{70}\,r\\
&\text{Cos}[\beta]^{2}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]-3.48112\times10^{69}\,r\,\text{Log}[1.+1.\,\text{Cos}[\beta]]^{2}-\\
&6.96224\times10^{69}\,r\,\text{Cos}[\beta]\,\text{Log}[1.+1.\,\text{Cos}[\beta]]^{2}-3.48112\times10^{69}\,r\,\text{Cos}[\beta]^{2}\\
&\text{Log}[1.+1.\,\text{Cos}[\beta]]^{2}+3.34982\times10^{70}\,r\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&8.52229\times10^{70}\,r\,\text{Cos}[\beta]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&6.99513\times10^{70}\,r\,\text{Cos}[\beta]^{2}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&1.82266\times10^{70}\,r\,\text{Cos}[\beta]^{3}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&1.52716\times10^{70}\,r\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&3.88526\times10^{70}\,r\,\text{Cos}[\beta]\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&3.18904\times10^{70}\,r\,\text{Cos}[\beta]^{2}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]+\\
&8.30938\times10^{69}\,r\,\text{Cos}[\beta]^{3}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]-\\
&1.67491\times10^{70}\,r\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}-\\
&5.17248\times10^{70}\,r\,\text{Cos}[\beta]\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}-\\
&5.81608\times10^{70}\,r\,\text{Cos}[\beta]^{2}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}-\\
&2.81438\times10^{70}\,r\,\text{Cos}[\beta]^{3}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}-\\
&4.95859\times10^{69}\,r\,\text{Cos}[\beta]^{4}\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]^{2}-\\
&1.82266\times10^{70}\,r\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]-\\
&3.64531\times10^{70}\,r\,\text{Cos}[\beta]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]-\\
&1.82266\times10^{70}\,r\,\text{Cos}[\beta]^{2}\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]-\\
&8.30938\times10^{69}\,r\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]-\\
&1.66188\times10^{70}\,r\,\text{Cos}[\beta]\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]-\\
&8.30938\times10^{69}\,r\,\text{Cos}[\beta]^{2}\,\text{Log}[1.+1.\,\text{Cos}[\beta]]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]+\\
&1.82266\times10^{70}\,r\,\text{Log}[6.28318+6.28318\,\text{Cos}[\beta]]\,\text{PolyLog}[2.,-1.\,\text{Cos}[\beta]]+
\end{aligned}
$$

```
    4.63703×10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.80609×10^70 r Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    9.91719×10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 4.95859×10^69 r PolyLog[2., -1. Cos[β]]^2 -
    9.91719×10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
    4.95859×10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
(1.33285×10^69 + 2.6657×10^69 Cos[β] + 1.33285×10^69 Cos[β]^2 +
    1.21528×10^69 Log[1. + 1. Cos[β]] + 2.43055×10^69 Cos[β] Log[1. + 1. Cos[β]] +
    1.21528×10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
    2.77019×10^68 Log[1. + 1. Cos[β]]^2 + 5.54037×10^68 Cos[β]
     Log[1. + 1. Cos[β]]^2 + 2.77019×10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
    2.6657×10^69 Log[6.28318 + 6.28318 Cos[β]] -
    6.78183×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
    5.56655×10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
    1.45042×10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
    1.21528×10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    3.09179×10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    2.53776×10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    6.6124×10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    1.33285×10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
    4.11613×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
    4.62829×10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
    2.23961×10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
    3.94592×10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
    1.45042×10^69 PolyLog[2., -1. Cos[β]] + 2.90085×10^69 Cos[β]
     PolyLog[2., -1. Cos[β]] + 1.45042×10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
    6.6124×10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    1.32248×10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    6.6124×10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    1.45042×10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
    3.69003×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 3.02879×10^69 Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
    7.89185×10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.94592×10^68 PolyLog[2., -1. Cos[β]]^2 +
    7.89185×10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
    3.94592×10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
(1.33285×10^69 Sin[β]^2 + 1.21528×10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
    2.77019×10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
    2.6657×10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
    1.45042×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
    1.21528×10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
    6.6124×10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
     Sin[β]^2 + 1.33285×10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
    1.45042×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
    3.94592×10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
```

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1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
 PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 3]},
{s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
  2.00964 × 10^69 c^2 r Cos[β]^2 +
  (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
  1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
  (-1.67491 × 10^70 r - 3.34982 × 10^70 r Cos[β] -
    1.67491 × 10^70 r Cos[β]^2 - 1.52716 × 10^70 r Log[1. + 1. Cos[β]] -
    3.05432 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716 × 10^70 r
     Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112 × 10^69 r Log[1. + 1. Cos[β]]^2 -
    6.96224 × 10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112 × 10^69 r Cos[β]^2
     Log[1. + 1. Cos[β]]^2 + 3.34982 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] +
    8.52229 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
    6.99513 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
    1.82266 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
    1.52716 × 10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    3.88526 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
    5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
    5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
    2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 -
    1.82266 × 10^70 r PolyLog[2., -1. Cos[β]] -
    3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
    1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
    8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
    9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
  (1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
    1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
    1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
    2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
```

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      Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
     2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
     6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
     5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
     1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
     1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
     3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
     2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
     6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
     1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
     4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
     4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
     2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
     3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
     1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
      PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
     6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
     1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
     6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
     1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
     3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
      PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
      Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
     7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
      PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
     7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
     3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
    (1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
     2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
     2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
     1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
     1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
     6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
      Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
     1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
     3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
     1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
     6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
     1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
      PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
      Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
     3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 4]},
 {s → Root[2.00964 × 10^69 c^2 r + 4.01928 × 10^69 c^2 r Cos[β] +
     2.00964 × 10^69 c^2 r Cos[β]^2 +
     (-1.59922 × 10^68 c^2 - 3.19845 × 10^68 c^2 Cos[β] - 1.59922 × 10^68 c^2 Cos[β]^2) #1 -
     1.59922 × 10^68 c^2 Sin[β]^2 #1^2 +
```

$$\begin{aligned}
&\Big(-1.67491\times10^{70}\,r-3.34982\times10^{70}\,r\,\mathrm{Cos}[\beta]-\\
&\quad 1.67491\times10^{70}\,r\,\mathrm{Cos}[\beta]^2-1.52716\times10^{70}\,r\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]-\\
&\quad 3.05432\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]-1.52716\times10^{70}\,r\\
&\qquad \mathrm{Cos}[\beta]^2\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]-3.48112\times10^{69}\,r\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]^2-\\
&\quad 6.96224\times10^{69}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]^2-3.48112\times10^{69}\,r\,\mathrm{Cos}[\beta]^2\\
&\qquad \mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]^2+3.34982\times10^{70}\,r\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 8.52229\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 6.99513\times10^{70}\,r\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 1.82266\times10^{70}\,r\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 1.52716\times10^{70}\,r\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 3.88526\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 3.18904\times10^{70}\,r\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 8.30938\times10^{69}\,r\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 1.67491\times10^{70}\,r\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2-\\
&\quad 5.17248\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2-\\
&\quad 5.81608\times10^{70}\,r\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2-\\
&\quad 2.81438\times10^{70}\,r\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2-\\
&\quad 4.95859\times10^{69}\,r\,\mathrm{Cos}[\beta]^4\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2-\\
&\quad 1.82266\times10^{70}\,r\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]-\\
&\quad 3.64531\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]-\\
&\quad 1.82266\times10^{70}\,r\,\mathrm{Cos}[\beta]^2\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]-\\
&\quad 8.30938\times10^{69}\,r\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]-\\
&\quad 1.66188\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]-\\
&\quad 8.30938\times10^{69}\,r\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]+\\
&\quad 1.82266\times10^{70}\,r\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]+\\
&\quad 4.63703\times10^{70}\,r\,\mathrm{Cos}[\beta]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]\\
&\qquad \mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]+3.80609\times10^{70}\,r\,\mathrm{Cos}[\beta]^2\\
&\qquad \mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]+\\
&\quad 9.91719\times10^{69}\,r\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]\\
&\qquad \mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]-4.95859\times10^{69}\,r\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]^2-\\
&\quad 9.91719\times10^{69}\,r\,\mathrm{Cos}[\beta]\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]^2-\\
&\quad 4.95859\times10^{69}\,r\,\mathrm{Cos}[\beta]^2\,\mathrm{PolyLog}[2.,-1.\,\mathrm{Cos}[\beta]]^2\Big)\,\#1^4+\\
&\Big(1.33285\times10^{69}+2.6657\times10^{69}\,\mathrm{Cos}[\beta]+1.33285\times10^{69}\,\mathrm{Cos}[\beta]^2+\\
&\quad 1.21528\times10^{69}\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]+2.43055\times10^{69}\,\mathrm{Cos}[\beta]\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]+\\
&\quad 1.21528\times10^{69}\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]+\\
&\quad 2.77019\times10^{68}\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]^2+5.54037\times10^{68}\,\mathrm{Cos}[\beta]\\
&\qquad \mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]^2+2.77019\times10^{68}\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]^2-\\
&\quad 2.6657\times10^{69}\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 6.78183\times10^{69}\,\mathrm{Cos}[\beta]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 5.56655\times10^{69}\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 1.45042\times10^{69}\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 1.21528\times10^{69}\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 3.09179\times10^{69}\,\mathrm{Cos}[\beta]\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 2.53776\times10^{69}\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]-\\
&\quad 6.6124\times10^{68}\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[1.+1.\,\mathrm{Cos}[\beta]]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]+\\
&\quad 1.33285\times10^{69}\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2+\\
&\quad 4.11613\times10^{69}\,\mathrm{Cos}[\beta]\,\mathrm{Log}[6.28318+6.28318\,\mathrm{Cos}[\beta]]^2+
\end{aligned}$$

```
        4.62829×10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
        2.23961×10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
        3.94592×10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
        1.45042×10^69 PolyLog[2., -1. Cos[β]] + 2.90085×10^69 Cos[β]
         PolyLog[2., -1. Cos[β]] + 1.45042×10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
        6.6124×10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
        1.32248×10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
        6.6124×10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
        1.45042×10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
        3.69003×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] - 3.02879×10^69 Cos[β]^2
         Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
        7.89185×10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] + 3.94592×10^68 PolyLog[2., -1. Cos[β]]^2 +
        7.89185×10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
        3.94592×10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
     (1.33285×10^69 Sin[β]^2 + 1.21528×10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
        2.77019×10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
        2.6657×10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        1.45042×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        1.21528×10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
        6.6124×10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
         Sin[β]^2 + 1.33285×10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        1.45042×10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        3.94592×10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
        1.45042×10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
        6.6124×10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
        1.45042×10^69 Log[6.28318 + 6.28318 Cos[β]]
         PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185×10^68 Cos[β]
         Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
        3.94592×10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 5]},
 {s → Root[2.00964×10^69 c^2 r + 4.01928×10^69 c^2 r Cos[β] +
     2.00964×10^69 c^2 r Cos[β]^2 +
     (-1.59922×10^68 c^2 - 3.19845×10^68 c^2 Cos[β] - 1.59922×10^68 c^2 Cos[β]^2) #1 -
     1.59922×10^68 c^2 Sin[β]^2 #1^2 +
     (-1.67491×10^70 r - 3.34982×10^70 r Cos[β] -
        1.67491×10^70 r Cos[β]^2 - 1.52716×10^70 r Log[1. + 1. Cos[β]] -
        3.05432×10^70 r Cos[β] Log[1. + 1. Cos[β]] - 1.52716×10^70 r
         Cos[β]^2 Log[1. + 1. Cos[β]] - 3.48112×10^69 r Log[1. + 1. Cos[β]]^2 -
        6.96224×10^69 r Cos[β] Log[1. + 1. Cos[β]]^2 - 3.48112×10^69 r Cos[β]^2
         Log[1. + 1. Cos[β]]^2 + 3.34982×10^70 r Log[6.28318 + 6.28318 Cos[β]] +
        8.52229×10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]] +
        6.99513×10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] +
        1.82266×10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] +
        1.52716×10^70 r Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
        3.88526×10^70 r Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
```

```
    3.18904 × 10^70 r Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    8.30938 × 10^69 r Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    1.67491 × 10^70 r Log[6.28318 + 6.28318 Cos[β]]^2 -
    5.17248 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 -
    5.81608 × 10^70 r Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 -
    2.81438 × 10^70 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 -
    1.82266 × 10^70 r PolyLog[2., -1. Cos[β]] -
    3.64531 × 10^70 r Cos[β] PolyLog[2., -1. Cos[β]] -
    1.82266 × 10^70 r Cos[β]^2 PolyLog[2., -1. Cos[β]] -
    8.30938 × 10^69 r Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    1.66188 × 10^70 r Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    8.30938 × 10^69 r Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    1.82266 × 10^70 r Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    4.63703 × 10^70 r Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] + 3.80609 × 10^70 r Cos[β]^2
     Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] +
    9.91719 × 10^69 r Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 4.95859 × 10^69 r PolyLog[2., -1. Cos[β]]^2 -
    9.91719 × 10^69 r Cos[β] PolyLog[2., -1. Cos[β]]^2 -
    4.95859 × 10^69 r Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^4 +
(1.33285 × 10^69 + 2.6657 × 10^69 Cos[β] + 1.33285 × 10^69 Cos[β]^2 +
    1.21528 × 10^69 Log[1. + 1. Cos[β]] + 2.43055 × 10^69 Cos[β] Log[1. + 1. Cos[β]] +
    1.21528 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] +
    2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 + 5.54037 × 10^68 Cos[β]
     Log[1. + 1. Cos[β]]^2 + 2.77019 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]]^2 -
    2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] -
    6.78183 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] -
    5.56655 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]] -
    1.45042 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]] -
    1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    3.09179 × 10^69 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    2.53776 × 10^69 Cos[β]^2 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] -
    6.6124 × 10^68 Cos[β]^3 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] +
    1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 +
    4.11613 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 +
    4.62829 × 10^69 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 +
    2.23961 × 10^69 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]^2 +
    3.94592 × 10^68 Cos[β]^4 Log[6.28318 + 6.28318 Cos[β]]^2 +
    1.45042 × 10^69 PolyLog[2., -1. Cos[β]] + 2.90085 × 10^69 Cos[β]
     PolyLog[2., -1. Cos[β]] + 1.45042 × 10^69 Cos[β]^2 PolyLog[2., -1. Cos[β]] +
    6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    1.32248 × 10^69 Cos[β] Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] +
    6.6124 × 10^68 Cos[β]^2 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] -
    1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
    3.69003 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]
     PolyLog[2., -1. Cos[β]] - 3.02879 × 10^69 Cos[β]^2
```

```
  Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] -
 7.89185 × 10^68 Cos[β]^3 Log[6.28318 + 6.28318 Cos[β]]
  PolyLog[2., -1. Cos[β]] + 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 +
 7.89185 × 10^68 Cos[β] PolyLog[2., -1. Cos[β]]^2 +
 3.94592 × 10^68 Cos[β]^2 PolyLog[2., -1. Cos[β]]^2) #1^5 +
(1.33285 × 10^69 Sin[β]^2 + 1.21528 × 10^69 Log[1. + 1. Cos[β]] Sin[β]^2 +
 2.77019 × 10^68 Log[1. + 1. Cos[β]]^2 Sin[β]^2 -
 2.6657 × 10^69 Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
 1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
 1.21528 × 10^69 Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]] Sin[β]^2 -
 6.6124 × 10^68 Cos[β] Log[1. + 1. Cos[β]] Log[6.28318 + 6.28318 Cos[β]]
  Sin[β]^2 + 1.33285 × 10^69 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
 1.45042 × 10^69 Cos[β] Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
 3.94592 × 10^68 Cos[β]^2 Log[6.28318 + 6.28318 Cos[β]]^2 Sin[β]^2 +
 1.45042 × 10^69 PolyLog[2., -1. Cos[β]] Sin[β]^2 +
 6.6124 × 10^68 Log[1. + 1. Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 -
 1.45042 × 10^69 Log[6.28318 + 6.28318 Cos[β]]
  PolyLog[2., -1. Cos[β]] Sin[β]^2 - 7.89185 × 10^68 Cos[β]
  Log[6.28318 + 6.28318 Cos[β]] PolyLog[2., -1. Cos[β]] Sin[β]^2 +
 3.94592 × 10^68 PolyLog[2., -1. Cos[β]]^2 Sin[β]^2) #1^6 &, 6]}}
```

In[•]:=
```
Manipulate[SphericalPlot3D[
  {Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
     32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
     32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] - 16.`14.85583028601747
      c^2 r^2 α^2 δ^2 Cos[β]^2 + 16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
     (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
       32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
     (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
       16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
     16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
     (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 + 2.`14.85583028601747
        r^2 α^5 δ Cos[β] Log[δ]^2 - 2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 +
       r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 - 1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
       2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
       4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
       4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
       2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
       4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
       4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
       2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
```

$$
\begin{aligned}
&2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]] + \\
&r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2 \alpha \delta^5 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^4 \\
&\quad \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - 1.`14.85583028601747\, r^2 \delta^6 \mathrm{Cos}[\beta]^4 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2 \alpha^5 \delta \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&4.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2 \alpha \delta^5 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&r^2 \alpha^6 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&1.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2 \alpha^5 \delta \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 + \\
&r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - 1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \\
&\quad \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2 - 2.`14.85583028601747\, r^2 \alpha^6 \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \\
&\quad \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747 \\
&\quad r^2 \alpha^5 \delta \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}\Big[\\
&\quad\quad 1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\Big] - 2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \\
&\quad \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 \\
&\quad r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2 \alpha^6 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Log}[\delta]^2 \mathrm{Log}\Big[\\
&\quad\quad 1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\Big] + 4.`14.85583028601747\, r^2 \alpha^5 \delta \mathrm{Cos}[\beta] \\
&\quad \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747 \\
&\quad r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747 \\
&\quad r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2 \alpha^5 \delta \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]
\end{aligned}
$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3$$

$$\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\,r^2\,\alpha^2$$

$$\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha$$

$$\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^4$$

$$\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$

$$\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha\,\delta^5$$

$$\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^4$$

$$\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$

$$\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$r^2\,\alpha^6\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,r^2$$
$$\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,r^2\,\alpha^6$$

$$\text{Log}[\delta]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Log}[\delta]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+4.\text{`}14.85583028601747\ r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]$$

$$\text{Log}[\delta]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\text{`}14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\text{`}14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\text{`}14.85583028601747\ r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha\ \delta^5\ \text{Cos}[\beta]^3\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^6\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\text{`}14.85583028601747\ r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\text{`}14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{PolyLog}\left[2.\text{`}14.85583028601747,\ -\frac{1.\text{`}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\right]$$

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PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] - 2.`14.85583028601747
 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] +
r^2 α^6 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^4 δ^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 +
2.`14.85583028601747 r^2 α^5 δ Cos[β]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
 Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
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$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}[\delta]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747$$

$$r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}[\delta]^2\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747$$

$$r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]^2\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-8.`14.85583028601747\ r\ \alpha^3$$

$$\delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\ r\ \alpha^2\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\ r$$

$$\alpha^5\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\ r\ \alpha^3\ \delta^2$$

$$\text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\ r\ \alpha^2\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\ r\ \alpha^5$$

$$\text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\ r\ \alpha^3\ \delta^2$$

$$\text{Cos}[\beta]^2\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\ r\ \alpha^5\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$$

$$4.\grave{}14.85583028601747\, r\, \alpha^5 \,\text{Log}[\delta]\, \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$8.\grave{}14.85583028601747\, r\, \alpha^4 \,\delta \,\text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]^2 + 4.\grave{}14.85583028601747$$
$$r\, \alpha^3 \,\delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]\, \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\grave{}14.85583028601747\, r\, \alpha^5 \,\text{Log}[\delta]^2 \,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.\grave{}14.85583028601747\, r\, \alpha^4 \,\delta \,\text{Cos}[\beta]\, \text{Log}[\delta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]^2 - 2.\grave{}14.85583028601747$$
$$r\, \alpha^3 \,\delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]^2 \,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.\grave{}14.85583028601747\, r\, \alpha^5 \,\text{Log}[\delta]\, \text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left. -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] - 8.\grave{}14.85583028601747\, r\, \alpha^4 \,\delta \,\text{Cos}[\beta]$$
$$\text{Log}[\delta]\, \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747\, r\, \alpha^3 \,\delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^4 \,\delta \,\text{Cos}[\beta]\, \text{Log}[\alpha + \delta \,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$8.\grave{}14.85583028601747\, r\, \alpha^3 \,\delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^2 \,\delta^3 \,\text{Cos}[\beta]^3 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^5 \,\text{Log}[\delta]\, \text{Log}[\alpha + \delta \,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$8.\grave{}14.85583028601747\, r\, \alpha^4 \,\delta \,\text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta \,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^3 \,\delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]\, \text{Log}[\alpha + \delta \,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^5 \,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$8.\grave{}14.85583028601747\, r\, \alpha^4 \,\delta \,\text{Cos}[\beta]\, \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big] - 2.`14.85583028601747\,r\,\alpha^5$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\,\#1^5 +$$

$$\Big(\alpha^4\,\text{Log}[\delta]^2 + 2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2 + \alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2 -$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 + 2.`14.85583028601747\,\alpha\,\delta^3$$

$$\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 + \delta^4\,\text{Cos}[\beta]^4\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 +$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 +$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 +$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 +$$

$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 + 2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 + \alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,\alpha^2$$
$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,\alpha^4$$
$$\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,\alpha^2\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,\alpha^4$$
$$\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,\alpha^2\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$

$$\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$
\begin{aligned}
&\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\\
&\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\\
&\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.\\
&\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\\
&\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\\
&\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&\alpha^4\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\\
&2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.\\
&\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\\
&\left.\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\#1^6+\\
&\left(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\right.\\
&\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\\
&\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+\\
&2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+\\
&\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.\grave{}14.85583028601747\\
&\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+\\
&2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\\
&\text{Sin}[\beta]^2+2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+2.\grave{}14.85583028601747\,\alpha^2\\
&\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-\\
&2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-2.\grave{}14.85583028601747\,\alpha^2\\
&\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+\\
&\alpha^2\,\delta^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2-2.\grave{}14.85583028601747\\
&\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+
\end{aligned}
$$

$$
\begin{aligned}
&\alpha^2\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2\,\mathrm{Sin}[\beta]^2+\\
&2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.\grave{}14.85583028601747,\\
&\quad -\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{Sin}[\beta]^2-\\
&2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\Big[\\
&\quad 2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{Sin}[\beta]^2-\\
&2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{PolyLog}\Big[\\
&\quad 2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{Sin}[\beta]^2-\\
&2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\\
&\quad \mathrm{PolyLog}\Big[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\\
&\quad \mathrm{Sin}[\beta]^2+2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]\\
&\quad \mathrm{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{PolyLog}\Big[\\
&\quad 2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]\,\mathrm{Sin}[\beta]^2+\\
&\alpha^2\,\delta^2\,\mathrm{PolyLog}\Big[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]^2\\
&\quad \mathrm{Sin}[\beta]^2\Big)\,\#1^7\,\&,\,1\Big],
\end{aligned}
$$

$$
\begin{aligned}
&\mathrm{Root}\Big[-16.\grave{}14.85583028601747\,c^2\,r^2\,\alpha^4+16.\grave{}14.85583028601747\,c^2\,r^2\,\alpha^2\,\delta^2-\\
&\quad 32.\grave{}14.85583028601747\,c^2\,r^2\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]+\\
&\quad 32.\grave{}14.85583028601747\,c^2\,r^2\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]-\\
&\quad 16.\grave{}14.85583028601747\,c^2\,r^2\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 16.\grave{}14.85583028601747\,c^2\,r^2\,\delta^4\,\mathrm{Cos}[\beta]^2+\\
&\quad \big(32.\grave{}14.85583028601747\,c^2\,r\,\alpha^3+64.\grave{}14.85583028601747\,c^2\,r\,\alpha^2\,\delta\,\mathrm{Cos}[\beta]+\\
&\qquad 32.\grave{}14.85583028601747\,c^2\,r\,\alpha\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\,\#1+\\
&\quad \big(-16.\grave{}14.85583028601747\,c^2\,\alpha^2-32.\grave{}14.85583028601747\,c^2\,\alpha\,\delta\,\mathrm{Cos}[\beta]-\\
&\qquad 16.\grave{}14.85583028601747\,c^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\,\#1^2-\\
&\quad 16.\grave{}14.85583028601747\,c^2\,\delta^2\,\mathrm{Sin}[\beta]^2\,\#1^3+\\
&\quad \Big(r^2\,\alpha^6\,\mathrm{Log}[\delta]^2-1.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Log}[\delta]^2+\\
&\qquad 2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2-\\
&\qquad 2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2+r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2-\\
&\qquad 1.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2-\\
&\qquad 2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]+\\
&\qquad 2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]-\\
&\qquad 4.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]+\\
&\qquad 4.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]-\\
&\qquad 2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]+\\
&\qquad 2.\grave{}14.85583028601747\,r^2\,\alpha\,\delta^5\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]-
\end{aligned}
$$

$$2.`14.85583028601747\, r^2 \alpha^6 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]] +$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]] -$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \,\text{Cos}[\beta] \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]] +$$
$$4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \,\text{Cos}[\beta] \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]] -$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]] +$$
$$2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]] +$$
$$r^2 \alpha^4 \delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \,\text{Cos}[\beta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \,\text{Cos}[\beta]^3 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha \delta^5 \,\text{Cos}[\beta]^3 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$r^2 \alpha^2 \delta^4 \,\text{Cos}[\beta]^4 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$1.`14.85583028601747\, r^2 \delta^6 \,\text{Cos}[\beta]^4 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \,\text{Cos}[\beta] \,\text{Log}[\delta] \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \,\text{Cos}[\beta] \,\text{Log}[\delta] \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, r^2 \alpha^4 \delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta] \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r^2 \alpha^2 \delta^4 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta] \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \,\text{Cos}[\beta]^3 \,\text{Log}[\delta] \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha \delta^5 \,\text{Cos}[\beta]^3 \,\text{Log}[\delta] \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$r^2 \alpha^6 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^4 \delta^2 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \,\text{Cos}[\beta] \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \,\text{Cos}[\beta] \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 +$$
$$r^2 \alpha^4 \delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]^2 \,\text{Log}[\alpha + \delta \,\text{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha^6 \,\text{Log}[\delta] \,\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2 \alpha^5 \delta \,\text{Cos}[\beta] \,\text{Log}[\delta] \,\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \,\text{Cos}[\beta] \,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta] \,\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \,\text{Cos}[\beta]^2 \,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2 \alpha^6$$
$$\text{Log}[\delta]^2 \,\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \,\text{Log}[\delta]^2 \,\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \,\text{Cos}[\beta] \,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta \,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747$$

$$r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3$$

$$\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\,r^2\,\alpha^2$$

$$\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha$$

$$\delta^5\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^4$$

$$\delta^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$

$$\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4$$

$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha\,\delta^5$$

$$\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^4$$

$$\delta^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 4.\grave{}14.85583028601747 r^2 \alpha^3 \delta^3$$
$$\text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] + 2.\grave{}14.85583028601747 r^2 \alpha^2 \delta^4$$
$$\text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$r^2 \alpha^6 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.\grave{}14.85583028601747 r^2 \alpha^4 \delta^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\grave{}14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.\grave{}14.85583028601747 r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\grave{}14.85583028601747 r^2 \alpha^6$$
$$\text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\grave{}14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.\grave{}14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 4.\grave{}14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\grave{}14.85583028601747 r^2 \alpha^4 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\grave{}14.85583028601747$$
$$r^2 \alpha^2 \delta^4 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$r^2 \alpha^6 \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 1.\grave{}14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747 r^2 \alpha^5 \delta \text{Cos}[\beta] \text{Log}[\delta]^2$$

$$\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\text{`}14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.\text{`}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\text{`}14.85583028601747\,r^2\,\alpha^6$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.\text{`}14.85583028601747,$$

$$-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+4.\text{`}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\text{`}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\text{`}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\text{`}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha\,\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.\grave{}14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$r^2\,\alpha^6\,\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$
$$\left.\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\,\#1^4 +$$
$$\left(-2.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2 - 4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\right.$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]^2 - 2.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2 +$$
$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$8.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$4.\grave{}14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$
$$2.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 -$$

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4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
4.`14.85583028601747 r α^5 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747
 r α^3 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r α^5 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747
 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r α^4 δ Cos[β] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 8.`14.85583028601747 r α^3
 δ^2 Cos[β]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747 r
 α^5 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r α^3 δ^2
 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r α^5
 Log[δ]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r α^3 δ^2
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$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.\grave{}14.85583028601747\,r\,\alpha^5\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2$$

$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+4.\grave{}14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\grave{}14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2$$

$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.\grave{}14.85583028601747,$$

$$-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]-8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]$$

$$\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$

$$\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$8.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^2\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.\text{\`}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{\`}14.85583028601747\, r\, \alpha^5\, \text{Log}\left[1.\text{\`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$8.\text{\`}14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}\left[1.\text{\`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{\`}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\left[1.\text{\`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{\`}14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]\, \text{Log}\left[1.\text{\`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$8.\text{\`}14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.\text{\`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{\`}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.\text{\`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\, \text{PolyLog}\Big[2.\text{\`}14.85583028601747,$$
$$-\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-2.\text{\`}14.85583028601747\, r\, \alpha^5$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.\text{\`}14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.\text{\`}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.\text{\`}14.85583028601747,\, -\frac{1.\text{\`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\, \#1^5+$$
$$\Big(\alpha^4\, \text{Log}[\delta]^2+2.\text{\`}14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2+\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2-$$
$$2.\text{\`}14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$4.\text{\`}14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\text{\`}14.85583028601747\, \alpha\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\text{\`}14.85583028601747\, \alpha^4\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$4.\text{\`}14.85583028601747\, \alpha^3\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.\text{\`}14.85583028601747\, \alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$\alpha^2\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+2.\text{\`}14.85583028601747\, \alpha\, \delta^3$$

$$\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+\delta^4\,\mathrm{Cos}[\beta]^4\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+$$
$$4.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+$$
$$\alpha^4\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,\alpha^2$$
$$\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,\alpha^4$$
$$\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,\alpha^2\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,\alpha^4$$
$$\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,\alpha^2\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^4\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^4\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$

$$\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]+4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]$$

$$\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\,\#1^6+$$

$$\Big(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$

$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha^2$$

```
δ^2 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] Sin[β]^2 - 2.`14.85583028601747 α^2
 δ^2 Log[δ]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] Sin[β]^2 +
α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 - 2.`14.85583028601747
 α^2 δ^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
α^2 δ^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
2.`14.85583028601747 α^2 δ^2 Log[δ] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α δ^3 Cos[β] Log[α + δ Cos[β]] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α^2 δ^2 Log[δ] Log[α + δ Cos[β]] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
 Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
 Sin[β]^2) #1^7 &, 2],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
  32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
  32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
  16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
  16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
  (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
    32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
  (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
    16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
```

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16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
(r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
   2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
   1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
   2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
   4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
   4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
   2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
   2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
   2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
   4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
   4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
   2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
   2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
   r^2 α^4 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
   1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]^2 +
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
   2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]^2 +
   r^2 α^2 δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
   1.`14.85583028601747 r^2 δ^6 Cos[β]^4 Log[α + δ Cos[β]]^2 +
   2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]^2 +
   4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
   4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 +
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
   2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 +
   r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]]^2 -
   1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
   2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
   2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 +
   r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
   1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
   2.`14.85583028601747 r^2 α^6 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
   2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]
    Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747
    r^2 α^5 δ Cos[β] Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
   4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]
    Log[1.`14.85583028601747 + (δ Cos[β])/α] - 2.`14.85583028601747
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$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3$$
$$\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\,r^2\,\alpha^2$$
$$\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha$$
$$\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^4$$
$$\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{2.`14.85583028601747}\,r^2\,\alpha^2\,\delta^4$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{2.`14.85583028601747}\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{2.`14.85583028601747}\,r^2\,\alpha\,\delta^5$$

$$\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{2.`14.85583028601747}\,r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{2.`14.85583028601747}\,r^2\,\alpha^4$$

$$\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{4.`14.85583028601747}\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{4.`14.85583028601747}\,r^2\,\alpha^3\,\delta^3$$

$$\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{2.`14.85583028601747}\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{2.`14.85583028601747}\,r^2\,\alpha^2\,\delta^4$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$r^2\,\alpha^6\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{1.`14.85583028601747}\,r^2\,\alpha^4\,\delta^2\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\text{2.`14.85583028601747}\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-\text{2.`14.85583028601747}$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{1.`14.85583028601747}\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-\text{2.`14.85583028601747}\,r^2\,\alpha^6$$

$$\text{Log}[\delta]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\text{2.`14.85583028601747}$$

$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{4.`14.85583028601747}\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\text{4.`14.85583028601747}$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.\grave{}14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\text{`}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\Big[2.\text{`}14.85583028601747,$$

$$\left.-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.\text{`}14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\Big[2.\text{`}14.85583028601747,$$

$$\left.-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\text{`}14.85583028601747$$

$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$r^2\,\alpha^6\,\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.\text{`}14.85583028601747\,r^2\,\alpha^4\,\delta^2$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\text{`}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{PolyLog}\Big[2.\text{`}14.85583028601747,$$

$$\left.-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.\text{`}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Big)\,\#1^4 +$$

$$\Big(-2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2 - 4.`14.85583028601747\,r\,\alpha^4\,\delta$$

$$\text{Cos}[\beta]\,\text{Log}[\delta]^2 - 2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2 +$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$

$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] +$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]] -$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$2.`14.85583028601747\,r\,\alpha\,\delta^4\,\text{Cos}[\beta]^4\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 -$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2 +$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\,r\,\alpha^3$$

$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\,r$$

$$\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,r\,\alpha^3\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,r\,\alpha^5$$
$$\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,r\,\alpha^3\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r\,\alpha^5\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$
$$4.`14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.`14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,r\,\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.`14.85583028601747,$$
$$-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\Big]-8.`14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \mathrm{PolyLog}\Big[2.`14.85583028601747,$$
$$-\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big] - 2.`14.85583028601747\, r\, \alpha^5$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{PolyLog}\left[2.`14.85583028601747,\, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2\Big)\, \#1^5 +$$

$$\Big(\alpha^4\, \mathrm{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2 -$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$\alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3$$
$$\mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \delta^4\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$\alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$\alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$
$$\alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, \alpha^2$$
$$\delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, \alpha^4$$
$$\mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, \alpha^2\, \delta^2$$

$\text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$
$2.\grave{}14.85583028601747\ \alpha\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$
$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\ \alpha^4$
$\text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$
$4.\grave{}14.85583028601747\ \alpha^3\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$
$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\ \alpha^2\ \delta^2$
$\text{Cos}[\beta]^2\ \text{Log}[\delta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$
$\alpha^4\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$
$2.\grave{}14.85583028601747\ \alpha^3\ \delta\ \text{Cos}[\beta]\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$
$\alpha^2\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$
$2.\grave{}14.85583028601747\ \alpha^4\ \text{Log}[\delta]\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-$
$4.\grave{}14.85583028601747\ \alpha^3\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]$
$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747$
$\alpha^2\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$
$\alpha^4\ \text{Log}[\delta]^2\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$
$\alpha^3\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]^2\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$
$\alpha^2\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]^2\ \text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]^2+$
$2.\grave{}14.85583028601747\ \alpha^4\ \text{Log}[\delta]\ \text{PolyLog}\Big[2.\grave{}14.85583028601747,$
$-\frac{1.\grave{}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\Big]+4.\grave{}14.85583028601747\ \alpha^3\ \delta\ \text{Cos}[\beta]$
$\text{Log}[\delta]\ \text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]+$
$2.\grave{}14.85583028601747\ \alpha^2\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$
$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$
$2.\grave{}14.85583028601747\ \alpha^3\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$
$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$
$4.\grave{}14.85583028601747\ \alpha^2\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$
$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right]-$
$2.\grave{}14.85583028601747\ \alpha\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$

$$
\begin{aligned}
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - \\
&2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - \\
&4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - \\
&2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - \\
&2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - \\
&4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - \\
&2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + \\
&2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + \\
&4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta] \\
&\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747, \\
&\quad -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big] + 2.\grave{}14.85583028601747 \\
&\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + \\
&\alpha^4\,\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + \\
&2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747, \\
&\quad -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2 + \alpha^2\,\delta^2\,\text{Cos}[\beta]^2 \\
&\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\,\#1^6 + \\
&\Big(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta] \\
&\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2
\end{aligned}
$$

$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha^2$$
$$\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2$$

```
        Sin[β]^2) #1^7 &, 3],
 Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
    32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
    32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
    16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
    16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
    (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
       32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
    (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
       16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
    16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
    (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
       2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
       1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
       2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
       4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
       4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
       2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
       4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
       4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
       2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
       2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
       r^2 α^4 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
       1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]^2 +
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
       2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]^2 +
       r^2 α^2 δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
       1.`14.85583028601747 r^2 δ^6 Cos[β]^4 Log[α + δ Cos[β]]^2 +
       2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]^2 +
       4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
       4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 +
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
       2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 +
       r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]]^2 -
       1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
       2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
       2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 +
       r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
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$$1.`14.85583028601747\, r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r^2 \alpha^6 \mathrm{Log}[\delta] \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2 \alpha^5 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta] \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta] \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta] \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2 \alpha^6$$
$$\mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^4 \delta^2 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^5 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta] \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$
$$r^2 \alpha^2 \delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^5 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha^3$$
$$\delta^3 \mathrm{Cos}[\beta] \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2 \alpha^4 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\, r^2 \alpha^2$$
$$\delta^4 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^3 \delta^3 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, r^2 \alpha$$
$$\delta^5 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2 \alpha^6 \mathrm{Log}[\delta] \mathrm{Log}[\alpha + \delta \mathrm{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^4$$
$$\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha\,\delta^5$$
$$\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^4$$
$$\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$r^2\,\alpha^6\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.\grave{}14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$

$$\text{4.`14.85583028601747}\; r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\; r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\; r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\; r^2\,\alpha^6\,\mathrm{Log}[\delta]\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\; r^2\,\alpha^4\,\delta^2\,\mathrm{Log}[\delta]\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$

$$\text{4.`14.85583028601747}\; r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\;\mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\;\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\right.$$

$$\left.-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] - \text{4.`14.85583028601747}$$

$$r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\;\mathrm{Log}[\delta]\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\; r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\;\mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\;\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\right.$$

$$\left.-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] - \text{2.`14.85583028601747}$$

$$r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\;\mathrm{Log}[\delta]\;\mathrm{Log}\left[\text{1.`14.85583028601747} + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\,\alpha^6\;\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2 -$$

$$\text{1.`14.85583028601747}\; r^2\,\alpha^4\,\delta^2$$

$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2 +$$

$$\text{2.`14.85583028601747}\; r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]$$

```
PolyLog[2.`14.85583028601747, - (1.`14.85583028601747 δ Cos[β])/α]^2 -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] PolyLog[2.`14.85583028601747,
  - (1.`14.85583028601747 δ Cos[β])/α]^2 + r^2 α^4 δ^2 Cos[β]^2
 PolyLog[2.`14.85583028601747, - (1.`14.85583028601747 δ Cos[β])/α]^2 -
1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2
 PolyLog[2.`14.85583028601747, - (1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
 Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]]^2 -
4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
4.`14.85583028601747 r α^5 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747
 r α^3 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r α^5 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747
 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r α^4 δ Cos[β] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 8.`14.85583028601747 r α^3
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$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{4.`14.85583028601747}\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-\text{4.`14.85583028601747}\,r$$

$$\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{4.`14.85583028601747}\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{4.`14.85583028601747}\,r\,\alpha^3\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\text{4.`14.85583028601747}\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{4.`14.85583028601747}\,r\,\alpha^5$$

$$\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\text{8.`14.85583028601747}\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+\text{4.`14.85583028601747}\,r\,\alpha^3\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{2.`14.85583028601747}\,r\,\alpha^5\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{4.`14.85583028601747}\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{2.`14.85583028601747}\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\text{4.`14.85583028601747}\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$\text{8.`14.85583028601747}\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\text{4.`14.85583028601747}$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{2.`14.85583028601747}\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{4.`14.85583028601747}\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-\text{2.`14.85583028601747}$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{4.`14.85583028601747}\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\Big[\text{2.`14.85583028601747},$$

$$-\frac{\text{1.`14.85583028601747}\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-\text{8.`14.85583028601747}\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\ \text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r\ \alpha^2\ \delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}[\alpha + \delta\ \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\ r\ \alpha^5\ \text{Log}[\delta]\ \text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\ r\ \alpha^4\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\ \delta\ \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\ r\ \alpha^3\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r\,\alpha^5$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\Bigg)\,\#1^5+$$

$$\Big(\alpha^4\,\text{Log}[\delta]^2+2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2-$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+\delta^4\,\text{Cos}[\beta]^4\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+$$
$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2-$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^4\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^4\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$\alpha^4 \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747\,\alpha^3 \delta \text{Cos}[\beta] \text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta \text{Cos}[\beta]}{\alpha}\right]^2 + \alpha^2 \delta^2 \text{Cos}[\beta]^2$$
$$\left.\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta \text{Cos}[\beta]}{\alpha}\right]^2\right) \#1^6 +$$
$$\left(\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747\,\alpha \delta^3 \text{Cos}[\beta] \text{Log}[\delta]\right.$$
$$\text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747\,\alpha^2 \delta^2 \text{Log}[\delta]^2$$
$$\text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{Sin}[\beta]^2 + \delta^4 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 +$$
$$2.\grave{}14.85583028601747\,\alpha \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 +$$
$$\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]^2 \text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747$$
$$\alpha^2 \delta^2 \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 +$$
$$2.\grave{}14.85583028601747\,\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2 + 2.\grave{}14.85583028601747\,\alpha \delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 +$$
$$2.\grave{}14.85583028601747\,\alpha^2 \delta^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.\grave{}14.85583028601747\,\alpha \delta^3 \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.\grave{}14.85583028601747\,\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 +$$
$$\alpha^2 \delta^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747$$
$$\alpha^2 \delta^2 \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 +$$
$$\alpha^2 \delta^2 \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 \text{Sin}[\beta]^2 +$$
$$2.\grave{}14.85583028601747\,\alpha^2 \delta^2 \text{Log}[\delta] \text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.\grave{}14.85583028601747\,\alpha \delta^3 \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{PolyLog}\left[\right.$$
$$\left.2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$
$$2.\grave{}14.85583028601747\,\alpha^2 \delta^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]] \text{PolyLog}\left[\right.$$
$$\left.2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta \text{Cos}[\beta]}{\alpha}\right] \text{Sin}[\beta]^2 -$$

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2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
 Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
 Sin[β]^2) #1^7 &, 4],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
   32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
   32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
   16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
   16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
   (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
      32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
   (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
      16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
   16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
   (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
      2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
      1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
      2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
      4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
      4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
      2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
      4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
      4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
      2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
      2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
      r^2 α^4 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
      1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]^2 +
      2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
      2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]^2 +
      r^2 α^2 δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
      1.`14.85583028601747 r^2 δ^6 Cos[β]^4 Log[α + δ Cos[β]]^2 +
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$$
\begin{aligned}
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&4.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&r^2\, \alpha^6\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \\
&r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 - \\
&2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 \\
&\quad r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]^2 \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747 \\
&\quad r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2 \\
&\quad \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, r^2\, \alpha^5 \\
&\quad \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]
\end{aligned}
$$

$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,r^2\,\alpha^4$$
$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,r^2\,\alpha^3$$
$$\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha\,\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,r^2$$
$$\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3$$
$$\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha\,\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\grave{}14.85583028601747\,r^2$$
$$\alpha^6\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$r^2\,\alpha^6\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] + \text{4.`14.85583028601747}\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]$$

$$\text{Log}[\delta]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{4.`14.85583028601747}\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{4.`14.85583028601747}\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\text{4.`14.85583028601747}\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha\, \delta^5\, \text{Cos}[\beta]^3\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{4.`14.85583028601747}\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] +$$

$$\text{4.`14.85583028601747}\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]\, \text{PolyLog}\left[\text{2.`14.85583028601747}, -\frac{\text{1.`14.85583028601747}\, \delta\, \text{Cos}[\beta]}{\alpha}\right] -$$

$$\text{2.`14.85583028601747}\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^6\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747,$$
$$-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big] - 4.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]$$
$$\mathrm{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]\, \mathrm{PolyLog}\Big[2.`14.85583028601747,$$
$$-\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big] - 2.`14.85583028601747$$
$$r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]$$
$$\mathrm{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big] +$$
$$r^2\, \alpha^6\, \mathrm{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]^2 -$$
$$1.`14.85583028601747\, r^2\, \alpha^4\, \delta^2$$
$$\mathrm{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]^2 +$$
$$2.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]$$
$$\mathrm{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]^2 -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{PolyLog}\Big[2.`14.85583028601747,$$
$$-\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]^2 + r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2$$
$$\mathrm{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]^2 -$$
$$1.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2$$
$$\mathrm{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big]^2\Big)\, \#1^4 +$$
$$\Big(-2.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]^2 - 4.`14.85583028601747\, r\, \alpha^4\, \delta$$
$$\mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 - 2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2 +$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r\, \alpha\, \delta^4\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$8.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^2\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]\, \mathrm{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\Big] +$$
$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 8.`14.85583028601747\,r\,\alpha^3$$
$$\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747\,r$$
$$\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,r\,\alpha^3\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,r\,\alpha^5$$
$$\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\,r\,\alpha^3\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha + \delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$
$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$
\begin{aligned}
&\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.\grave{}14.85583028601747\\
&\quad r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-\\
&2.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-\\
&4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\\
&\quad\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747\\
&\quad r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-\\
&4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747,\\
&\quad-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\\
&\quad\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-\\
&4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&8.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&4.\grave{}14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+\\
&8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\\
&\quad\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+
\end{aligned}
$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2 \,\mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^5\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$8.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] \mathrm{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\Big] - 2.`14.85583028601747\, r\, \alpha^5$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2 -$$

$$4.`14.85583028601747\, r\, \alpha^4\, \delta\, \mathrm{Cos}[\beta]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2\Bigg)\, \#1^5 +$$

$$\Big(\alpha^4\, \mathrm{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2 -$$

$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$\alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3$$
$$\mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \delta^4\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$\alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$

$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$

$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,\alpha^2$$

$$\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,\alpha^4$$

$$\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2$$

$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^4$$

$$\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,\alpha^2\,\delta^2$$

$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^4\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.`14.85583028601747\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$$
$$\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\text{2.`14.85583028601747}\,\alpha^4\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\,-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$\text{4.`14.85583028601747}\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\right.$$
$$\left.-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+\text{2.`14.85583028601747}$$
$$\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\,-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\,-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$
$$\text{2.`14.85583028601747}\,\alpha^3\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\right.$$
$$\left.-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\mathrm{Cos}[\beta]^2$$
$$\left.\mathrm{PolyLog}\left[\text{2.`14.85583028601747},\,-\frac{\text{1.`14.85583028601747}\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2\right)\,\#1^6+$$
$$\left(\alpha^2\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Sin}[\beta]^2-\text{2.`14.85583028601747}\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\right.$$
$$\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Sin}[\beta]^2-\text{2.`14.85583028601747}\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]^2$$
$$\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Sin}[\beta]^2+\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2\,\mathrm{Sin}[\beta]^2+$$
$$\text{2.`14.85583028601747}\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2\,\mathrm{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2\,\mathrm{Sin}[\beta]^2-\text{2.`14.85583028601747}$$
$$\alpha^2\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{Sin}[\beta]^2+$$
$$\text{2.`14.85583028601747}\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{Sin}[\beta]^2+\text{2.`14.85583028601747}\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{Sin}[\beta]^2+$$
$$\text{2.`14.85583028601747}\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{Sin}[\beta]^2-$$
$$\text{2.`14.85583028601747}\,\alpha\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{Sin}[\beta]^2-$$
$$\text{2.`14.85583028601747}\,\alpha^2\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]\,\mathrm{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2\,\mathrm{Sin}[\beta]^2-\text{2.`14.85583028601747}$$
$$\alpha^2\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2\,\mathrm{Sin}[\beta]^2+$$

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α^2 δ^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]^2 Sin[β]^2 +
2.`14.85583028601747 α^2 δ^2 Log[δ] PolyLog[2.`14.85583028601747,
  -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α δ^3 Cos[β] Log[α + δ Cos[β]] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α^2 δ^2 Log[δ] Log[α + δ Cos[β]] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 -
2.`14.85583028601747 α^2 δ^2 Log[1.`14.85583028601747 + (δ Cos[β])/α]
 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]
 Sin[β]^2 + 2.`14.85583028601747 α^2 δ^2 Log[δ]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] PolyLog[
  2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α] Sin[β]^2 +
α^2 δ^2 PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2
 Sin[β]^2) #1^7 &, 5],
Root[-16.`14.85583028601747 c^2 r^2 α^4 + 16.`14.85583028601747 c^2 r^2 α^2 δ^2 -
   32.`14.85583028601747 c^2 r^2 α^3 δ Cos[β] +
   32.`14.85583028601747 c^2 r^2 α δ^3 Cos[β] -
   16.`14.85583028601747 c^2 r^2 α^2 δ^2 Cos[β]^2 +
   16.`14.85583028601747 c^2 r^2 δ^4 Cos[β]^2 +
   (32.`14.85583028601747 c^2 r α^3 + 64.`14.85583028601747 c^2 r α^2 δ Cos[β] +
     32.`14.85583028601747 c^2 r α δ^2 Cos[β]^2) #1 +
   (-16.`14.85583028601747 c^2 α^2 - 32.`14.85583028601747 c^2 α δ Cos[β] -
     16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
   16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
   (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
     2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
     1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
     2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
     4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
     4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
     2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
     2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
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$$
\begin{aligned}
&2.\grave{}14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] - \\
&4.\grave{}14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] + \\
&4.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]] + \\
&r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&1.\grave{}14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha\, \delta^5\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&1.\grave{}14.85583028601747\, r^2\, \delta^6\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&4.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&4.\grave{}14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha\, \delta^5\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&r^2\, \alpha^6\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&1.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 + \\
&r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&1.\grave{}14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2 - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] - 4.\grave{}14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] + \\
&4.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta] \\
&\quad \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] + 2.\grave{}14.85583028601747 \\
&\quad r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] + \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] - \\
&2.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]^2 \\
&\quad \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] + 4.\grave{}14.85583028601747 \\
&\quad r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -
\end{aligned}
$$

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4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 2.`14.85583028601747
 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 2.`14.85583028601747 r^2 α^5
 δ Cos[β] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747 r^2 α^4
 δ^2 Cos[β]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 2.`14.85583028601747 r^2 α^3
 δ^3 Cos[β]^3 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 2.`14.85583028601747 r^2
 α^6 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
2.`14.85583028601747 r^2 α^4 δ^2 Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] + 2.`14.85583028601747 r^2 α^5 δ
 Cos[β] Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 2.`14.85583028601747 r^2 α^4 δ^2
 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 2.`14.85583028601747 r^2 α^3 δ^3
 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]
 Log[1.`14.85583028601747 + (δ Cos[β])/α] - 2.`14.85583028601747 r^2
 α^6 Log[δ]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]]
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$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta$$
$$\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$r^2\,\alpha^6\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.\grave{}14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747\,r^2\,\alpha^6$$
$$\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.\grave{}14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.\grave{}14.85583028601747$$
$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^6\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-1.\grave{}14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.\grave{}14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,r^2\,\alpha^6$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha\,\delta^5\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\, \text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] +$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \text{Log}[\delta]\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$
$$\text{PolyLog}\Big[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \text{Cos}[\beta]}{\alpha}\Big] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Log}[\delta]\, \text{Log}\Big[1.`14.85583028601747 + \frac{\delta\, \text{Cos}[\beta]}{\alpha}\Big]$$

$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.\grave{}14.85583028601747$$
$$r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right] \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.\grave{}14.85583028601747$$
$$r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$r^2\, \alpha^6\, \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.\grave{}14.85583028601747\, r^2\, \alpha^4\, \delta^2$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747\, r^2\, \alpha^5\, \delta\, \text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\grave{}14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \text{Cos}[\beta]\, \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + r^2\, \alpha^4\, \delta^2\, \text{Cos}[\beta]^2$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$1.\grave{}14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \text{Cos}[\beta]^2$$
$$\left.\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\, \#1^4 +$$
$$\left(-2.\grave{}14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2 - 4.\grave{}14.85583028601747\, r\, \alpha^4\, \delta\right.$$
$$\text{Cos}[\beta]\, \text{Log}[\delta]^2 - 2.\grave{}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2 +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$8.\grave{}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^2\, \delta^3\, \text{Cos}[\beta]^3\, \text{Log}[\delta]\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^5\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$8.\grave{}14.85583028601747\, r\, \alpha^4\, \delta\, \text{Cos}[\beta]\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] +$$
$$4.\grave{}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\delta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]] -$$
$$2.\grave{}14.85583028601747\, r\, \alpha^3\, \delta^2\, \text{Cos}[\beta]^2\, \text{Log}[\alpha + \delta\,\text{Cos}[\beta]]^2 -$$

$$4.\text{`}14.85583028601747\ r\,\alpha^2\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$2.\text{`}14.85583028601747\ r\,\alpha\,\delta^4\,\mathrm{Cos}[\beta]^4\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$8.\text{`}14.85583028601747\ r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^2\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$2.\text{`}14.85583028601747\ r\,\alpha^5\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2-$$
$$2.\text{`}14.85583028601747\ r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]^2+$$
$$4.\text{`}14.85583028601747\ r\,\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$8.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.\text{`}14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^5\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$8.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-4.\text{`}14.85583028601747$$
$$r\,\alpha^3\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-8.\text{`}14.85583028601747\ r\,\alpha^3$$
$$\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^2\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-4.\text{`}14.85583028601747\ r$$
$$\alpha^5\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.\text{`}14.85583028601747\ r\,\alpha^3\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\ r\,\alpha^2\,\delta^3\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.\text{`}14.85583028601747\ r\,\alpha^5$$
$$\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$8.\text{`}14.85583028601747\ r\,\alpha^4\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.\text{`}14.85583028601747\ r\,\alpha^3\,\delta^2$$

$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$

$$2.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+4.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$

$$2.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2$$

$$\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-2.`14.85583028601747$$

$$r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\Big[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.`14.85583028601747,$$

$$-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{Log}[\delta]\,\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$

$$4.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$

$$4.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$

$$8.`14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$

$$4.`14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$

$$4.`14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$

$$8.`14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\Big[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$

$$\text{4.`14.85583028601747}\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\ \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\text{4.`14.85583028601747}\ r\,\alpha^5\ \text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\text{8.`14.85583028601747}\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\ \text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$\text{4.`14.85583028601747}\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\ \text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{4.`14.85583028601747}\ r\,\alpha^5\ \text{Log}[\delta]\ \text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{8.`14.85583028601747}\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]\ \text{Log}[\delta]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$\text{4.`14.85583028601747}\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\ \text{Log}[\delta]$$

$$\text{Log}\left[\text{1.`14.85583028601747}+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\ \text{PolyLog}\left[\text{2.`14.85583028601747},\right.$$

$$\left.-\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]-\text{2.`14.85583028601747}\ r\,\alpha^5$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{4.`14.85583028601747}\ r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$

$$\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$\text{2.`14.85583028601747}\ r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2$$

$$\left.\text{PolyLog}\left[\text{2.`14.85583028601747},\ -\frac{\text{1.`14.85583028601747}\ \delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\ \#1^5+$$

$$\left(\alpha^4\,\text{Log}[\delta]^2+\text{2.`14.85583028601747}\ \alpha^3\,\delta\,\text{Cos}[\beta]\ \text{Log}[\delta]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2-\right.$$

$$\text{2.`14.85583028601747}\ \alpha^3\,\delta\,\text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$\text{4.`14.85583028601747}\ \alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\ \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$\text{2.`14.85583028601747}\ \alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\ \text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$\text{2.`14.85583028601747}\ \alpha^4\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$\text{4.`14.85583028601747}\ \alpha^3\,\delta\,\text{Cos}[\beta]\ \text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]-$$

$$\text{2.`14.85583028601747}\ \alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]+$$

$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2+\text{2.`14.85583028601747}\ \alpha\,\delta^3$$

$$\mathrm{Cos}[\beta]^3 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+\delta^4 \mathrm{Cos}[\beta]^4 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+$$
$$2.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+$$
$$4.\text{`}14.85583028601747\, \alpha^2 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+$$
$$2.\text{`}14.85583028601747\, \alpha \delta^3 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+$$
$$\alpha^4 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+2.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta]$$
$$\mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2+\alpha^2 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]^2-$$
$$2.\text{`}14.85583028601747\, \alpha^4 \mathrm{Log}[\delta] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-2.\text{`}14.85583028601747$$
$$\alpha^2 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\text{`}14.85583028601747\, \alpha^4 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta]^2$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+2.\text{`}14.85583028601747$$
$$\alpha^2 \delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+4.\text{`}14.85583028601747\, \alpha^2$$
$$\delta^2 \mathrm{Cos}[\beta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\text{`}14.85583028601747\, \alpha \delta^3 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+2.\text{`}14.85583028601747\, \alpha^4$$
$$\mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-2.\text{`}14.85583028601747\, \alpha^2 \delta^2$$
$$\mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$2.\text{`}14.85583028601747\, \alpha \delta^3 \mathrm{Cos}[\beta]^3 \mathrm{Log}[\delta] \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-2.\text{`}14.85583028601747\, \alpha^4$$
$$\mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\, \alpha^3 \delta \mathrm{Cos}[\beta] \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]-2.\text{`}14.85583028601747\, \alpha^2 \delta^2$$
$$\mathrm{Cos}[\beta]^2 \mathrm{Log}[\delta]^2 \mathrm{Log}[\alpha+\delta \mathrm{Cos}[\beta]] \mathrm{Log}\left[1.\text{`}14.85583028601747+\frac{\delta \mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$\alpha^4 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747\, \alpha^3 \delta \text{Cos}[\beta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2 \delta^2 \text{Cos}[\beta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$2.\grave{}14.85583028601747\, \alpha^4 \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 -$$
$$4.\grave{}14.85583028601747\, \alpha^3 \delta \text{Cos}[\beta] \text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 - 2.\grave{}14.85583028601747$$
$$\alpha^2 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$\alpha^4 \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 + 2.\grave{}14.85583028601747$$
$$\alpha^3 \delta \text{Cos}[\beta] \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$\alpha^2 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]^2 \text{Log}\left[1.\grave{}14.85583028601747 + \frac{\delta \text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747\, \alpha^4 \text{Log}[\delta] \text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] + 4.\grave{}14.85583028601747\, \alpha^3 \delta \text{Cos}[\beta]$$
$$\text{Log}[\delta] \text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\, \alpha^2 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\, \alpha^3 \delta \text{Cos}[\beta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747\, \alpha^2 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\, \alpha \delta^3 \text{Cos}[\beta]^3 \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\, \alpha^4 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747\, \alpha^3 \delta \text{Cos}[\beta] \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\, \alpha^2 \delta^2 \text{Cos}[\beta]^2 \text{Log}[\delta] \text{Log}[\alpha + \delta \text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\, \delta \text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,\alpha^4\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$\alpha^4\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+\alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$
$$\left.\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\#1^6+$$
$$\left(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\right.$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2-2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2-2.`14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$
$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.`14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\left[\right.$$
$$\left.2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2$$
$$\left.\left.\text{Sin}[\beta]^2\right)\#1^7\,\&,6\right],$$
$$\text{Root}\left[-16.`14.85583028601747\,c^2\,r^2\,\alpha^4+16.`14.85583028601747\,c^2\,r^2\,\alpha^2\,\delta^2-\right.$$
$$32.`14.85583028601747\,c^2\,r^2\,\alpha^3\,\delta\,\text{Cos}[\beta]+$$
$$32.`14.85583028601747\,c^2\,r^2\,\alpha\,\delta^3\,\text{Cos}[\beta]-$$
$$16.`14.85583028601747\,c^2\,r^2\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$16.`14.85583028601747\,c^2\,r^2\,\delta^4\,\text{Cos}[\beta]^2+$$
$$\left(32.`14.85583028601747\,c^2\,r\,\alpha^3+64.`14.85583028601747\,c^2\,r\,\alpha^2\,\delta\,\text{Cos}[\beta]+\right.$$
$$\left.32.`14.85583028601747\,c^2\,r\,\alpha\,\delta^2\,\text{Cos}[\beta]^2\right)\#1+$$
$$\left(-16.`14.85583028601747\,c^2\,\alpha^2-32.`14.85583028601747\,c^2\,\alpha\,\delta\,\text{Cos}[\beta]-\right.$$

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    16.`14.85583028601747 c^2 δ^2 Cos[β]^2) #1^2 -
  16.`14.85583028601747 c^2 δ^2 Sin[β]^2 #1^3 +
  (r^2 α^6 Log[δ]^2 - 1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 +
    2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 -
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 + r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 -
    1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 -
    2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]] -
    4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
    4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] -
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] -
    2.`14.85583028601747 r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]] -
    4.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
    4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]] -
    2.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
    2.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] +
    r^2 α^4 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
    1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[α + δ Cos[β]]^2 +
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
    2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[α + δ Cos[β]]^2 +
    r^2 α^2 δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
    1.`14.85583028601747 r^2 δ^6 Cos[β]^4 Log[α + δ Cos[β]]^2 +
    2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ] Log[α + δ Cos[β]]^2 +
    4.`14.85583028601747 r^2 α^4 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
    4.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 +
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
    2.`14.85583028601747 r^2 α δ^5 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 +
    r^2 α^6 Log[δ]^2 Log[α + δ Cos[β]]^2 -
    1.`14.85583028601747 r^2 α^4 δ^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
    2.`14.85583028601747 r^2 α^5 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
    2.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 +
    r^2 α^4 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
    1.`14.85583028601747 r^2 α^2 δ^4 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 -
    2.`14.85583028601747 r^2 α^6 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
    2.`14.85583028601747 r^2 α^4 δ^2 Log[δ]
     Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747
     r^2 α^5 δ Cos[β] Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
    4.`14.85583028601747 r^2 α^3 δ^3 Cos[β] Log[δ]
     Log[1.`14.85583028601747 + (δ Cos[β])/α] -
```

$$2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$
$$r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\delta]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\ r^2\ \alpha^6\ \text{Log}[\delta]^2\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747$$
$$r^2\ \alpha^5\ \delta\ \text{Cos}[\beta]\ \text{Log}[\delta]^2\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747$$
$$r^2\ \alpha^4\ \delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\delta]^2\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\ r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\delta]^2$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\ r^2\ \alpha^5$$
$$\delta\ \text{Cos}[\beta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\ r^2\ \alpha^4$$
$$\delta^2\ \text{Cos}[\beta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$4.`14.85583028601747\ r^2\ \alpha^2\ \delta^4\ \text{Cos}[\beta]^2\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\ r^2\ \alpha^3$$
$$\delta^3\ \text{Cos}[\beta]^3\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\ r^2\ \alpha\ \delta^5\ \text{Cos}[\beta]^3\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\ r^2$$
$$\alpha^6\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\ r^2\ \alpha^5\ \delta$$
$$\text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]\ \text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\ r^2\ \alpha^3\ \delta^3\ \text{Cos}[\beta]\ \text{Log}[\delta]\ \text{Log}[\alpha+\delta\ \text{Cos}[\beta]]$$
$$\text{Log}\left[1.`14.85583028601747+\frac{\delta\ \text{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\ r^2\ \alpha^4\ \delta^2$$

$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3$$
$$\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha\,\delta^5\,\mathrm{Cos}[\beta]^3\,\mathrm{Log}[\delta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-2.`14.85583028601747\,r^2$$
$$\alpha^6\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-4.`14.85583028601747\,r^2\,\alpha^5\,\delta$$
$$\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$
$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4$$
$$\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$
$$r^2\,\alpha^6\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$
$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$
$$r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$
$$r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747\,r^2\,\alpha^6$$
$$\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$
$$r^2\,\alpha^4\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$
$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+4.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747$$

$$r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$r^2\,\alpha^6\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-1.`14.85583028601747$$

$$r^2\,\alpha^4\,\delta^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-2.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+$$

$$r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2\,\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2-$$

$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]^2$$

$$\mathrm{Log}\left[1.`14.85583028601747+\frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]^2+2.`14.85583028601747\,r^2\,\alpha^6$$

$$\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Log}[\delta]\,\mathrm{PolyLog}\Big[2.`14.85583028601747,$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]$$

$$\mathrm{Log}[\delta]\,\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\delta]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\delta]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\mathrm{Cos}[\beta]\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]-$$

$$4.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\mathrm{Cos}[\beta]^2\,\mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$

$$\mathrm{PolyLog}\left[2.`14.85583028601747,-\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]+$$

$$4.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha\, \delta^5\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^2\, \delta^4\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha+\delta\,\mathrm{Cos}[\beta]]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^6\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, r^2\, \alpha^5\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, r^2\, \alpha^3\, \delta^3\, \mathrm{Cos}[\beta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$
$$\mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$2.`14.85583028601747\, r^2\, \alpha^4\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\,\mathrm{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^6\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$4.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 4.`14.85583028601747$$

$$r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$2.`14.85583028601747\,r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$

$$\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747$$

$$r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.`14.85583028601747 + \frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$

$$r^2\,\alpha^6\,\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\,r^2\,\alpha^4\,\delta^2$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$

$$2.`14.85583028601747\,r^2\,\alpha^5\,\delta\,\text{Cos}[\beta]$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$2.`14.85583028601747\,r^2\,\alpha^3\,\delta^3\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.`14.85583028601747,\right.$$

$$\left.-\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + r^2\,\alpha^4\,\delta^2\,\text{Cos}[\beta]^2$$

$$\text{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 -$$

$$1.`14.85583028601747\,r^2\,\alpha^2\,\delta^4\,\text{Cos}[\beta]^2$$

```
PolyLog[2.`14.85583028601747, -(1.`14.85583028601747 δ Cos[β])/α]^2) #1^4 +
(-2.`14.85583028601747 r α^5 Log[δ]^2 - 4.`14.85583028601747 r α^4 δ
  Cos[β] Log[δ]^2 - 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 +
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]] +
 8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]] +
 4.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]] -
 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 r α δ^4 Cos[β]^4 Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]^2 -
 8.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ] Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[δ] Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 r α^5 Log[δ]^2 Log[α + δ Cos[β]]^2 -
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2 Log[α + δ Cos[β]]^2 -
 2.`14.85583028601747 r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[α + δ Cos[β]]^2 +
 4.`14.85583028601747 r α^5 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] +
 8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] + 4.`14.85583028601747
  r α^3 δ^2 Cos[β]^2 Log[δ] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 4.`14.85583028601747 r α^5 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 8.`14.85583028601747 r α^4 δ Cos[β] Log[δ]^2
  Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747
  r α^3 δ^2 Cos[β]^2 Log[δ]^2 Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 4.`14.85583028601747 r α^4 δ Cos[β] Log[α + δ Cos[β]]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] - 8.`14.85583028601747 r α^3
  δ^2 Cos[β]^2 Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 4.`14.85583028601747 r α^2 δ^3 Cos[β]^3 Log[α + δ Cos[β]]
  Log[1.`14.85583028601747 + (δ Cos[β])/α] - 4.`14.85583028601747 r
  α^5 Log[δ] Log[α + δ Cos[β]] Log[1.`14.85583028601747 + (δ Cos[β])/α] -
 4.`14.85583028601747 r α^4 δ Cos[β] Log[δ] Log[α + δ Cos[β]]
```

$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]+4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$2.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+$$

$$8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2+4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-2.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-8.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$

$$4.\grave{}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$4.\grave{}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$

$$8.\text{`}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\,r\,\alpha^2\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$8.\text{`}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\,r\,\alpha^5\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$8.\text{`}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]+$$
$$4.\text{`}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\,r\,\alpha^5\,\text{Log}[\delta]\,\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$8.\text{`}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-$$
$$4.\text{`}14.85583028601747\,r\,\alpha^3\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\text{`}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.\text{`}14.85583028601747,\right.$$
$$\left.-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]-2.\text{`}14.85583028601747\,r\,\alpha^5$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$
$$4.\text{`}14.85583028601747\,r\,\alpha^4\,\delta\,\text{Cos}[\beta]$$
$$\text{PolyLog}\left[2.\text{`}14.85583028601747,-\frac{1.\text{`}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2-$$

$$2.`14.85583028601747\, r\, \alpha^3\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{PolyLog}\left[2.`14.85583028601747, -\frac{1.`14.85583028601747\, \delta\, \mathrm{Cos}[\beta]}{\alpha}\right]^2\Big)\, \#1^5 +$$

$$\Big(\alpha^4\, \mathrm{Log}[\delta]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2 -$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] -$$
$$2.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]] +$$
$$\alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \delta^4\, \mathrm{Cos}[\beta]^4\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 +$$
$$\alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + 2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 + \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]^2 -$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] -$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$4.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\delta]^2\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 4.`14.85583028601747\, \alpha^2\, \delta^2\, \mathrm{Cos}[\beta]^2\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha\, \delta^3\, \mathrm{Cos}[\beta]^3\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] + 2.`14.85583028601747\, \alpha^4\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] +$$
$$2.`14.85583028601747\, \alpha^3\, \delta\, \mathrm{Cos}[\beta]\, \mathrm{Log}[\delta]\, \mathrm{Log}[\alpha + \delta\, \mathrm{Cos}[\beta]]\, \mathrm{Log}\left[1.`14.85583028601747 + \frac{\delta\, \mathrm{Cos}[\beta]}{\alpha}\right] - 2.`14.85583028601747\, \alpha^2\, \delta^2$$

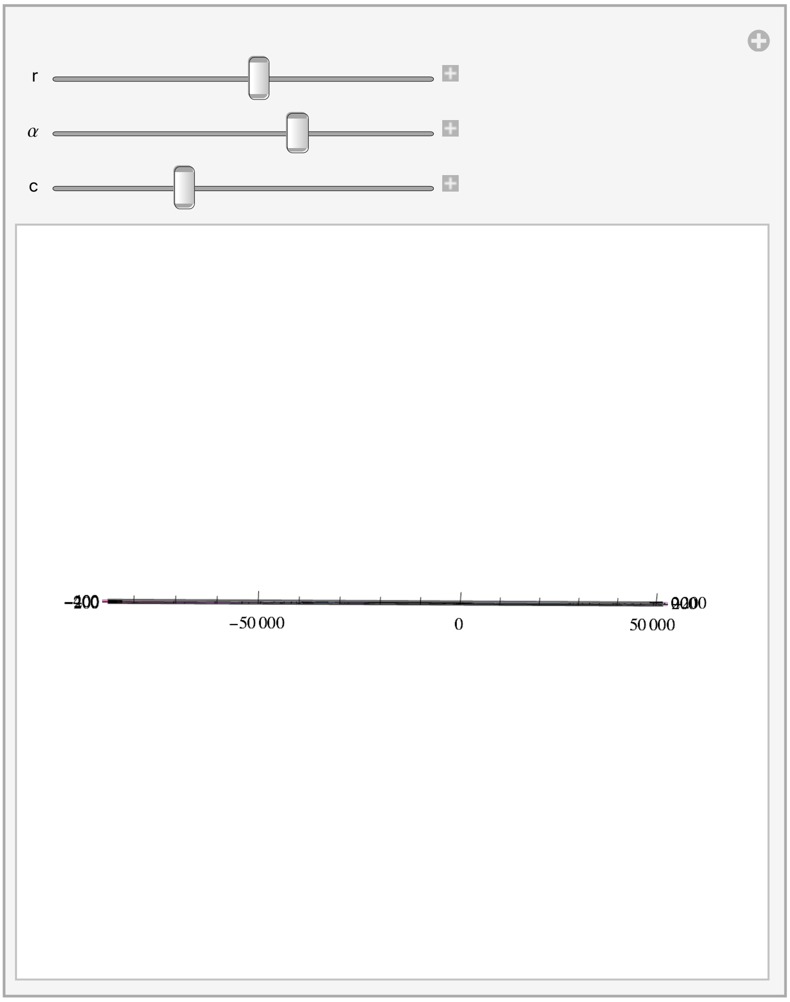
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-2.\grave{}14.85583028601747\,\alpha^4$$
$$\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]-2.\grave{}14.85583028601747\,\alpha^2\,\delta^2$$
$$\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$\alpha^4\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2-2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$\alpha^4\,\text{Log}[\delta]^2\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+2.\grave{}14.85583028601747$$
$$\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]^2\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]^2\,\text{Log}\Big[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\Big]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747,$$
$$-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]$$
$$\text{Log}[\delta]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]+$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]$$
$$\text{PolyLog}\Big[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$4.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\Big[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]^3\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$

$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] -$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$2.\grave{}14.85583028601747\,\alpha^4\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$4.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] + 2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Cos}[\beta]^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right] +$$
$$\alpha^4\,\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 +$$
$$2.\grave{}14.85583028601747\,\alpha^3\,\delta\,\text{Cos}[\beta]\,\text{PolyLog}\left[2.\grave{}14.85583028601747,\right.$$
$$\left.-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2 + \alpha^2\,\delta^2\,\text{Cos}[\beta]^2$$
$$\left.\text{PolyLog}\left[2.\grave{}14.85583028601747, -\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\right)\,\#1^6 +$$
$$\left(\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\right.$$
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{Sin}[\beta]^2 - 2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2$$

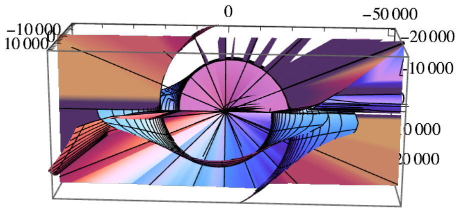
$$\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\ \text{Sin}[\beta]^2+\delta^4\,\text{Cos}[\beta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]^2\,\text{Sin}[\beta]^2-2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2-$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2-2.\grave{}14.85583028601747$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{Log}[\delta]^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]^2\text{Sin}[\beta]^2+$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{PolyLog}\Big[2.\grave{}14.85583028601747,$$
$$-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]\,\text{Sin}[\beta]^2-$$
$$2.\grave{}14.85583028601747\,\alpha\,\delta^3\,\text{Cos}[\beta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\Big[$$
$$2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]\,\text{Sin}[\beta]^2-$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]\,\text{Log}[\alpha+\delta\,\text{Cos}[\beta]]\,\text{PolyLog}\Big[$$
$$2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]\,\text{Sin}[\beta]^2-$$
$$2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]$$
$$\text{Sin}[\beta]^2+2.\grave{}14.85583028601747\,\alpha^2\,\delta^2\,\text{Log}[\delta]$$
$$\text{Log}\left[1.\grave{}14.85583028601747+\frac{\delta\,\text{Cos}[\beta]}{\alpha}\right]\text{PolyLog}\Big[$$
$$2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\Big]\,\text{Sin}[\beta]^2+$$
$$\alpha^2\,\delta^2\,\text{PolyLog}\left[2.\grave{}14.85583028601747,-\frac{1.\grave{}14.85583028601747\,\delta\,\text{Cos}[\beta]}{\alpha}\right]^2$$

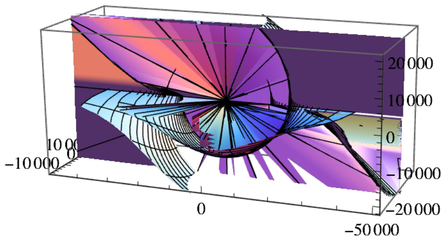
```
          Sin[β]²) #1⁷ &, 7]]},
  {δ, 0, 2 π}, {β, 0, π / 2}, PlotTheme → {"Classic",
    "ClassicLights"}],
 {r, 1, 10}, {α, .01,
  2
   π}, {c,
  2.99792458
   (10 ^
     8), 50 (2.99792458
     (10 ^ 8))}]
```

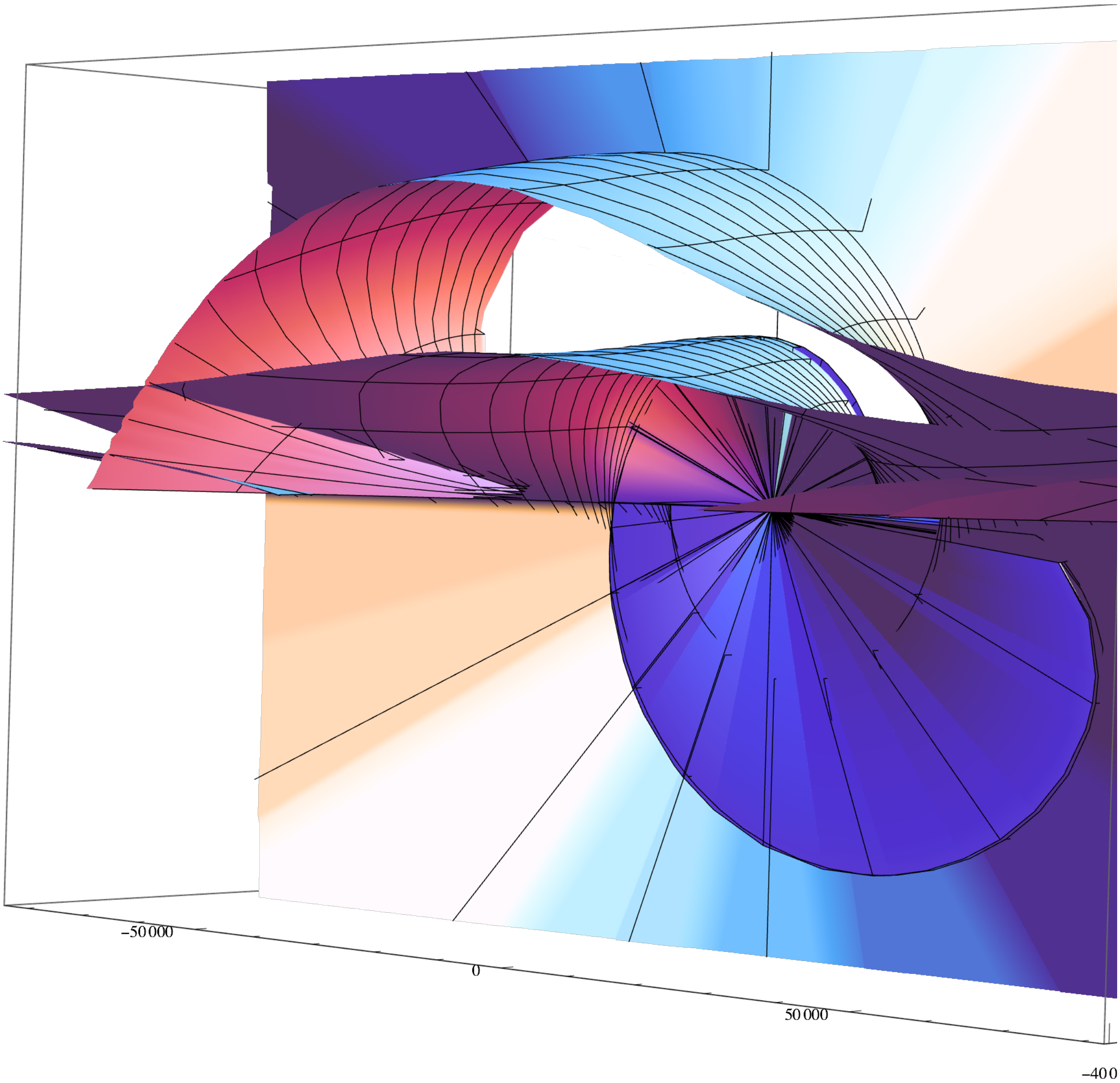
Out[*]=



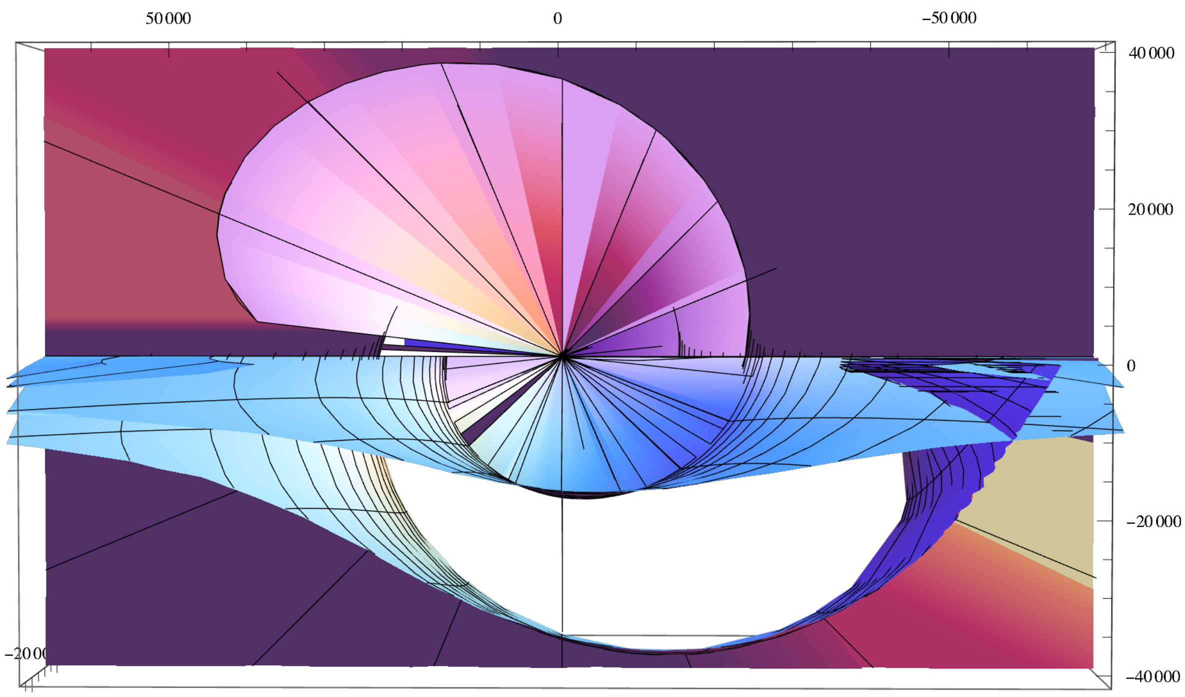

```
c = ~50 (2.9 ×
     poooo9792458 (10 ^ 8))
```


0
−50 000
−10 000
10 000
−20 000
10 000
0 000
20 000


20 000
10 000
0
−10 000
−20 000
−50 000
0
−10 000

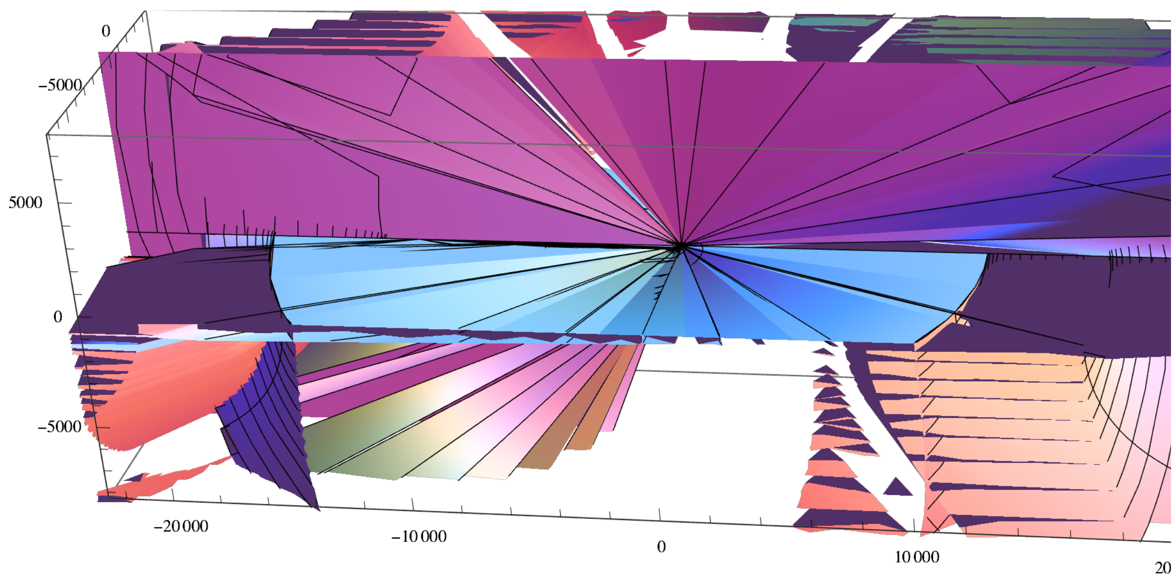


~2.5 * c; α = ~π



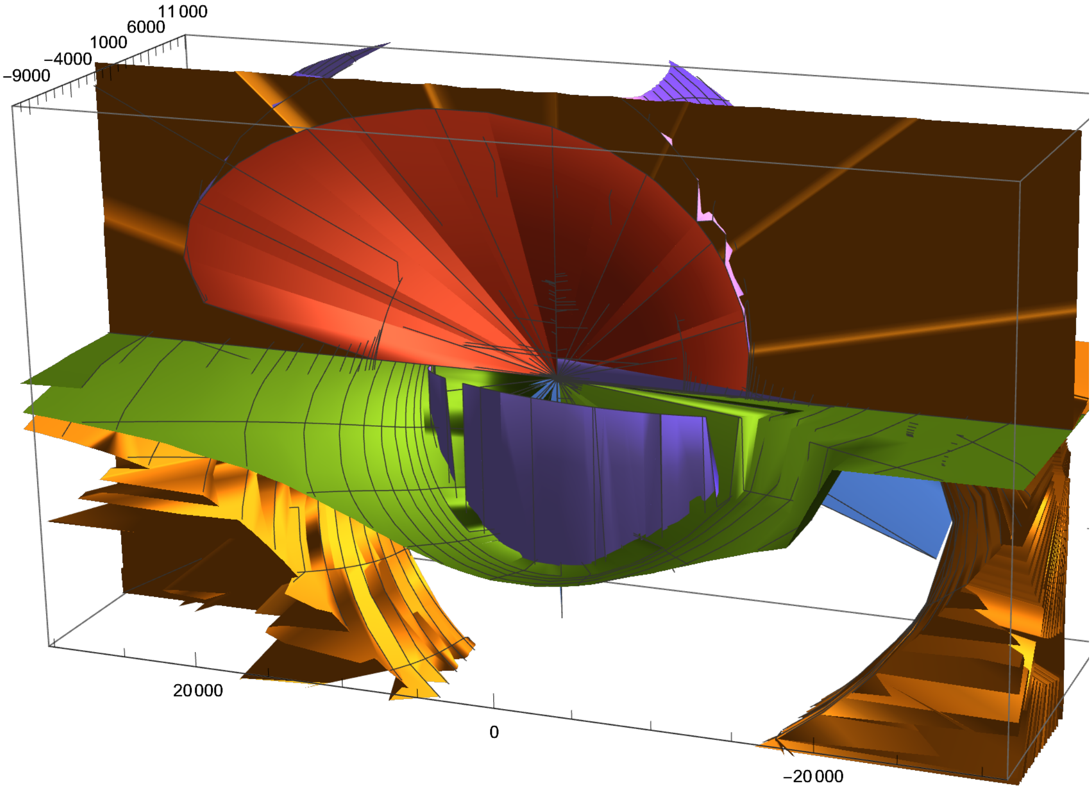
50000
0
−50000
40000
20000
0
−20000
−40000
−200

~4 * c:



0
−5000
5000
0
−5000
−20000
−10000
0
10000
20

~1 * c:



What has been shown here is that although "c," the speed of light,
can numerically exceed the currently defined value - meaning,
the form maintains ***integrity***. It is not until one gets to levels of
c^2 that the integrity of the graphical form degenerates into a line,
and can even make the program crash. Thus, we should revise our meaning for,
"light speed," as that level which will collapse the form. Other variables,
like α, when increased,
may be able to provide higher stability to the form at higher values of "c."

10. The Nature of Mass - Matter as Multi-Dimensional Resonant Frequency in a Broader Equation - The Coefficients Are the Path

$$\text{Solve}\left[\sqrt{c^2 r^2 \alpha^2 - c^2 r^2 \delta^2 - 2 c^2 r z \alpha \theta + c^2 z \delta^2 \eta^2 \theta + c^2 z^2 \theta^2} == v \sqrt{r^2 \alpha^2 - 1.\grave{} r^2 \delta^2 - 2.\grave{} r z \alpha \theta + z \delta^2 \eta^2 \theta + z^2 \theta^2}, \eta\right]$$

$$\left\{\left\{\eta \to -\left(\left((0. + 1. i) \sqrt{\left(1. c^2 r^2 \alpha^2 - 1. r^2 v^2 \alpha^2 - 1. c^2 r^2 \delta^2 + 1. r^2 v^2 \delta^2 - 2. c^2 r z \alpha \theta + 2. r v^2 z \alpha \theta + 1. c^2 z^2 \theta^2 - 1. v^2 z^2 \theta^2\right)}\right) \Big/ \left(\sqrt{1. c^2 - 1. v^2} \sqrt{z}\, \delta \sqrt{\theta}\right)\right)\right\},\right.$$
$$\left.\left\{\eta \to \frac{1}{\sqrt{1. c^2 - 1. v^2} \sqrt{z}\, \delta \sqrt{\theta}} (0. + 1. i) \sqrt{\left(1. c^2 r^2 \alpha^2 - 1. r^2 v^2 \alpha^2 - 1. c^2 r^2 \delta^2 + 1. r^2 v^2 \delta^2 - 2. c^2 r z \alpha \theta + 2. r v^2 z \alpha \theta + 1. c^2 z^2 \theta^2 - 1. v^2 z^2 \theta^2\right)}\right\}\right\}$$

$$\eta = \frac{z \theta}{\alpha + \delta \text{Cos}[\beta]} \text{Sin}[\beta]$$

In[∘]:=
$$\text{Solve}\left[\frac{1}{\sqrt{1.\grave{} c^2 - 1.\grave{} v^2} \sqrt{z}\, \delta \sqrt{\theta}} (0.\grave{} + 1.\grave{} i) \sqrt{\left(1.\grave{} c^2 r^2 \alpha^2 - 1.\grave{} r^2 v^2 \alpha^2 - 1.\grave{} c^2 r^2 \delta^2 + 1.\grave{} r^2 v^2 \delta^2 - 2.\grave{} c^2 r z \alpha \theta + 2.\grave{} r v^2 z \alpha \theta + 1.\grave{} c^2 z^2 \theta^2 - 1.\grave{} v^2 z^2 \theta^2\right)} == \frac{z \theta}{\alpha + \delta \text{Cos}[\beta]} \text{Sin}[\beta], \alpha\right]$$

Out[∘]=
$$\left\{\left\{\alpha \to -\frac{0.5 \left(8.98755 \times 10^{16} z \theta - 1. v^2 z \theta - 8.98755 \times 10^{16} r \delta \text{Cos}[\beta] + 1. r v^2 \delta \text{Cos}[\beta]\right)}{r \left(-8.98755 \times 10^{16} + v^2\right)} - 0.5 \sqrt{\left(\frac{1. \left(8.98755 \times 10^{16} z \theta - 1. v^2 z \theta - 8.98755 \times 10^{16} r \delta \text{Cos}[\beta] + 1. r v^2 \delta \text{Cos}[\beta]\right)^2}{r^2 \left(-8.98755 \times 10^{16} + v^2\right)^2} - \right.}\right.\right.$$
$$\frac{1}{r^2 \left(-8.98755 \times 10^{16} + v^2\right)} 0.666667 \left(8.98755 \times 10^{16} r^2 \delta^2 - 1. r^2 v^2 \delta^2 - 8.98755 \times 10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502 \times 10^{17} r z \delta \theta \text{Cos}[\beta] - 4. r v^2 z \delta \theta \text{Cos}[\beta] - 8.98755 \times 10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2\right) +$$
$$\left(0.419974 \left(12. r \delta \text{Cos}[\beta] \left(8.98755 \times 10^{16} z \theta - 1. v^2 z \theta - 8.98755 \times 10^{16} r \delta \text{Cos}[\beta] + 1. r v^2 \delta \text{Cos}[\beta]\right) \left(-8.98755 \times 10^{16} r^2 \delta^2 + 1. r^2 v^2 \delta^2 + 8.98755 \times 10^{16} z^2 \theta^2 - 1. v^2 z^2 \theta^2 - 8.98755 \times 10^{16} r z \delta \theta \text{Cos}[\beta] + 1. r v^2 z \delta \theta \text{Cos}[\beta]\right) + \left(8.98755 \times 10^{16} r^2 \delta^2 - 1. r^2 v^2 \delta^2 - 8.98755 \times 10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502 \times 10^{17} r z \delta \theta \text{Cos}[\beta] - 4. r v^2 z \delta \theta \text{Cos}[\beta] - 8.98755 \times 10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2\right)^2 - \right.\right.$$

$$12.\ r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\right.$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$\left.\left.\left.8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right)\right)\right)\Big/$$

$$\left(r^2\left(-8.98755\times10^{16}+1.\ v^2\right)\left(108.\ r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\ \mathrm{Cos}[\beta]^2\right.\right.$$
$$\left(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-\right.$$
$$\left.8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)^2+36.\ r\ \delta$$
$$\mathrm{Cos}[\beta]\left(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+\right.$$
$$\left.1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)\left(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+\right.$$
$$8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+$$
$$\left.1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)\left(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-\right.$$
$$8.98755\times10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$\left.4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)+$$
$$2.\left(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+\right.$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$\left.8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)^3-108.\ r^2\ \delta^2$$
$$\left(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+1.\right.$$
$$\left.r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)^2\left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\right.$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}$$
$$\left.z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right)+72.\ r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2$$
$$\left(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+\right.$$
$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-8.98755\times10^{16}$$
$$\left.r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)\left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\right.$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$\left.8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right)+$$
$$\sqrt{\left(-4.\left(12.\ r\ \delta\ \mathrm{Cos}[\beta]\left(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\ r\right.\right.\right.}$$
$$\left.\delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)\left(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\right.$$
$$v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z$$
$$\left.\delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)+\left(8.98755\times10^{16}\ r^2\ \delta^2-\right.$$
$$1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times10^{17}$$
$$r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-8.98755\times10^{16}\ r^2\ \delta^2$$
$$\left.\mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)^2-12.\ r^2\left(-8.98755\times10^{16}+\right.$$
$$\left.v^2\right)\delta^2\left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\right.$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$\left.\left.8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right)\right)^3+$$
$$\left(108.\ r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\ \mathrm{Cos}[\beta]^2\left(-8.98755\times10^{16}\right.\right.$$
$$r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-$$
$$\left.8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)^2+$$
$$36.\ r\ \delta\ \mathrm{Cos}[\beta]\left(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-\right.$$
$$\left.8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)$$
$$\left(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\right.$$
$$\left.z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)$$

$$\left(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right) +$$

$$2.\ \left(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)^3 -$$

$$108.\ r^2\ \delta^2\ \left(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)^2\ \left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right) + 72.\ r^2\ \left(-8.98755\times10^{16} + v^2\right)\ \delta^2$$

$$\left(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)$$

$$\left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right)\Big)^2\Big)\Big)^{1/3}\Big) +$$

$$\frac{1}{r^2\ \left(-8.98755\times10^{16} + v^2\right)}\ 0.264567\ \Big(108.\ r^2\ \left(-8.98755\times10^{16} + v^2\right)\ \delta^2$$

$$\mathrm{Cos}[\beta]^2\ \left(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)^2 +$$

$$36.\ r\ \delta\ \mathrm{Cos}[\beta]\ \left(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)\ \left(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\right)\ \left(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right) +$$

$$2.\ \left(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)^3 -$$

$$108.\ r^2\ \delta^2\ \left(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)^2\ \left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right) +$$

$$72.\ r^2\ \left(-8.98755\times10^{16} + v^2\right)\ \delta^2\ \left(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\right)$$

$$\left(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\right) +$$

$$\sqrt{}\Big(-4.\ \Big(12.\ r\ \delta\ \mathrm{Cos}[\beta]\ \left(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\right)\ \Big(-8.98755\times10^{16}\ r^2\ \delta^2 +$$

$$1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 -$$
$$8.98755\times10^{16} r z \delta \theta \mathrm{Cos}[\beta] + 1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big) +$$
$$\Big(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] -$$
$$4.\ r v^2 z \delta \theta \mathrm{Cos}[\beta] - 8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 +$$
$$r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)^2 - 12.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2$$
$$\Big(-8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big)\Big)^3 +$$
$$\Big(108.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \mathrm{Cos}[\beta]^2 \Big(-8.98755\times10^{16}$$
$$r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 -$$
$$8.98755\times10^{16} r z \delta \theta \mathrm{Cos}[\beta] + 1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big)^2 +$$
$$36.\ r \delta \mathrm{Cos}[\beta] \Big(8.98755\times10^{16} z \theta - 1.\ v^2 z \theta -$$
$$8.98755\times10^{16} r \delta \mathrm{Cos}[\beta] + 1.\ r v^2 \delta \mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16} r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 - 1.$$
$$v^2 z^2 \theta^2 - 8.98755\times10^{16} r z \delta \theta \mathrm{Cos}[\beta] + 1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big)$$
$$\Big(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big) +$$
$$2.\ \Big(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta$$
$$\mathrm{Cos}[\beta] - 8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)^3 -$$
$$108.\ r^2 \delta^2 \Big(8.98755\times10^{16} z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16}$$
$$r \delta \mathrm{Cos}[\beta] + 1.\ r v^2 \delta \mathrm{Cos}[\beta]\Big)^2 \Big(-8.98755\times10^{16} r^2 \delta^2$$
$$\mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 -$$
$$1.\ v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 -$$
$$1.\ v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big) + 72.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2$$
$$\Big(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + 8.98755\times$$
$$10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Bigg) - 0.5$$

$$\sqrt{\Bigg(\frac{2.\ \left(8.98755\times10^{16} z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16} r \delta \mathrm{Cos}[\beta] + 1.\ r v^2 \delta \mathrm{Cos}[\beta]\right)^2}{r^2 \left(-8.98755\times10^{16} + v^2\right)^2} -}$$
$$\frac{1}{r^2 \left(-8.98755\times10^{16} + v^2\right)}$$
$$1.33333$$
$$\Big(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 -$$
$$8.98755\times10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 +$$

$$
\begin{aligned}
&3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\Big) - \\
&\Big(0.419974\, \Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \\
&\quad 8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big) \\
&\quad \big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - \\
&\quad 1.\, v^2\, z^2\, \theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) + \\
&\quad \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\quad 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^2 - \\
&\quad 12.\, r^2\, \big(-8.98755\times10^{16} + v^2\big)\, \delta^2\, \big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\Big)\Big) \Big/ \\
&\Big(r^2\, \big(-8.98755\times10^{16} + 1.\, v^2\big)\, \Big(108.\, r^2\, \big(-8.98755\times10^{16} + v^2\big)\, \delta^2\, \mathrm{Cos}[\beta]^2 \\
&\quad \big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&\quad 8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big)^2 + 36. \\
&\quad r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times10^{16} \\
&\quad r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big) \\
&\quad \big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - \\
&\quad 1.\, v^2\, z^2\, \theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) \\
&\quad \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) + 2. \\
&\quad \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^3 - 108.\, r^2 \\
&\quad \delta^2\, \big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + \\
&\quad 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2\, \big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + 72.\, r^2 \\
&\quad \big(-8.98755\times10^{16} + v^2\big)\, \delta^2\, \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - \\
&\quad 8.98755\times10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) \\
&\quad \big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
&\quad \sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times10^{16}} \\
&\qquad r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)\, \big(-8.98755\times10^{16}\, r^2\, \delta^2 + \\
&\qquad 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&\qquad 8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) +
\end{aligned}
$$

$$\Big(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 +$$
$$v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2 - 12.\,r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^3 +$$
$$\Big(108.\,r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2\,\mathrm{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}$$
$$r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 - 1.\,v^2\,z^2\,\theta^2 -$$
$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2 +$$
$$36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta -$$
$$8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 - 1.\,v^2$$
$$z^2\,\theta^2 - 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)$$
$$\Big(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 +$$
$$v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big) +$$
$$2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 +$$
$$v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[$$
$$\beta] - 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^3 -$$
$$108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta - 8.98755\times10^{16}$$
$$r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2$$
$$\mathrm{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 -$$
$$1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 -$$
$$1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big) + 72.\,r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2$$
$$\Big(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 +$$
$$v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Big) -$$
$$\frac{1}{r^2\,\left(-8.98755\times10^{16} + v^2\right)}\,0.264567\,\Big(108.\,r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 -$$
$$1.\,v^2\,z^2\,\theta^2 - 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2 +$$
$$36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta - 1.\,v^2\,z\,\theta - 8.98755\times10^{16}$$
$$r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2 + 1.\,r^2\,v^2\,\delta^2 + 8.98755\times10^{16}\,z^2\,\theta^2 -$$
$$1.\,v^2\,z^2\,\theta^2 - 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)$$
$$\Big(8.98755\times10^{16}\,r^2\,\delta^2 - 1.\,r^2\,v^2\,\delta^2 - 8.98755\times10^{16}\,z^2\,\theta^2 +$$
$$v^2\,z^2\,\theta^2 + 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$

$$8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2) +$$
$$2.\ (8.98755\times10^{16}\, r^2\, \delta^2 - 1.\ r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 +$$
$$v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] -$$
$$8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2)^3 -$$
$$108.\ r^2\, \delta^2\ (8.98755\times10^{16}\, z\, \theta - 1.\ v^2\, z\, \theta - 8.98755\times10^{16}\, r\, \delta\, \text{Cos}[\beta] +$$
$$1.\ r\, v^2\, \delta\, \text{Cos}[\beta])^2\ (-8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\ v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\ v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2) +$$
$$72.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ (8.98755\times10^{16}\, r^2\, \delta^2 - 1.\ r^2\, v^2\, \delta^2 -$$
$$8.98755\times10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] -$$
$$4.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\ v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\ v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2) +$$
$$\sqrt{}\ (-4.\ (12.\ r\, \delta\, \text{Cos}[\beta]\ (8.98755\times10^{16}\, z\, \theta - 1.\ v^2\, z\, \theta - 8.98755\times10^{16}$$
$$r\, \delta\, \text{Cos}[\beta] + 1.\ r\, v^2\, \delta\, \text{Cos}[\beta])\ (-8.98755\times10^{16}\, r^2\, \delta^2 +$$
$$1.\ r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1.\ v^2\, z^2\, \theta^2 -$$
$$8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta]) +$$
$$(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\ r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 +$$
$$v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] -$$
$$4.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 +$$
$$r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2)^2 - 12.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2$$
$$(-8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 - 1.\ v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 - 1.\ v^2\, z^3\, \theta^3\, \text{Sin}[\beta]^2))^3 +$$
$$(108.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\, \text{Cos}[\beta]^2\ (-8.98755\times10^{16}$$
$$r^2\, \delta^2 + 1.\ r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1.\ v^2\, z^2\, \theta^2 -$$
$$8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta])^2 +$$
$$36.\ r\, \delta\, \text{Cos}[\beta]\ (8.98755\times10^{16}\, z\, \theta - 1.\ v^2\, z\, \theta -$$
$$8.98755\times10^{16}\, r\, \delta\, \text{Cos}[\beta] + 1.\ r\, v^2\, \delta\, \text{Cos}[\beta])$$
$$(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\ r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1.$$
$$v^2\, z^2\, \theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] + 1.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta])$$
$$(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\ r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 +$$
$$v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\ r\, v^2\, z\, \delta\, \theta\, \text{Cos}[\beta] -$$
$$8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2) +$$
$$2.\ (8.98755\times10^{16}\, r^2\, \delta^2 - 1.\ r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 +$$
$$v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \text{Cos}[\beta] - 4.\ r\, v^2\, z\, \delta\, \theta$$
$$\text{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2)^3 -$$
$$108.\ r^2\, \delta^2\ (8.98755\times10^{16}\, z\, \theta - 1.\ v^2\, z\, \theta - 8.98755\times10^{16}$$
$$r\, \delta\, \text{Cos}[\beta] + 1.\ r\, v^2\, \delta\, \text{Cos}[\beta])^2\ (-8.98755\times10^{16}\, r^2\, \delta^2$$
$$\text{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \text{Cos}[\beta]^2 + 8.98755\times10^{16}\, z^2\, \theta^2\, \text{Cos}[\beta]^2 -$$
$$1.\ v^2\, z^2\, \theta^2\, \text{Cos}[\beta]^2 + 8.98755\times10^{16}\, z^3\, \theta^3\, \text{Sin}[\beta]^2 -$$

$$
\begin{aligned}
&1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big) + 72.\, r^2 \left(-8.98755\times 10^{16} + v^2\right) \delta^2 \\
&\Big(8.98755\times 10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755\times 10^{16} z^2 \theta^2 + \\
&\quad v^2 z^2 \theta^2 + 3.59502\times 10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times 10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times 10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3} -
\end{aligned}
$$

$$
\begin{aligned}
&\Bigg(0.25 \Bigg(-\Big(\Big(8.\, \left(8.98755\times 10^{16} z \theta - 1.\, v^2 z \theta - 8.98755\times 10^{16} r \delta \mathrm{Cos}[\beta] + \right.\\
&\qquad \left. 1.\, r v^2 \delta \mathrm{Cos}[\beta]\right)^3\Big) \Big/ \left(r^3 \left(-8.98755\times 10^{16} + v^2\right)^3\right)\Big) + \\
&\quad \frac{1}{r^2 \left(-8.98755\times 10^{16} + v^2\right)} 16.\, \delta \mathrm{Cos}[\beta] \Big(-8.98755\times 10^{16} r^2 \delta^2 + \\
&\qquad 1.\, r^2 v^2 \delta^2 + 8.98755\times 10^{16} z^2 \theta^2 - 1.\, v^2 z^2 \theta^2 - \\
&\qquad 8.98755\times 10^{16} r z \delta \theta \mathrm{Cos}[\beta] + 1.\, r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big) + \\
&\quad \Big(8.\, \left(8.98755\times 10^{16} z \theta - 1.\, v^2 z \theta - 8.98755\times 10^{16} r \delta \mathrm{Cos}[\beta] + \right.\\
&\qquad \left. 1.\, r v^2 \delta \mathrm{Cos}[\beta]\right) \Big(8.98755\times 10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - \\
&\qquad 8.98755\times 10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times 10^{17} r z \delta \theta \mathrm{Cos}[\beta] - \\
&\qquad 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] - 8.98755\times 10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + \\
&\qquad r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)\Big) \Big/ \left(r^3 \left(-8.98755\times 10^{16} + v^2\right)^2\right)\Bigg)\Bigg) \Big/
\end{aligned}
$$

$$
\begin{aligned}
&\Bigg(\sqrt{\Bigg(\Big(1.\, \left(8.98755\times 10^{16} z \theta - 1.\, v^2 z \theta - 8.98755\times 10^{16} r \delta \mathrm{Cos}[\beta] + \right.}\\
&\qquad \left. 1.\, r v^2 \delta \mathrm{Cos}[\beta]\right)^2\Big) \Big/ \left(r^2 \left(-8.98755\times 10^{16} + v^2\right)^2\right) - \\
&\quad \frac{1}{r^2 \left(-8.98755\times 10^{16} + v^2\right)} 0.666667 \Big(8.98755\times 10^{16} r^2 \delta^2 - \\
&\qquad 1.\, r^2 v^2 \delta^2 - 8.98755\times 10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + \\
&\qquad 3.59502\times 10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times 10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big) + \\
&\quad \Big(0.419974 \Big(12.\, r \delta \mathrm{Cos}[\beta] \Big(8.98755\times 10^{16} z \theta - 1.\, v^2 z \theta - \\
&\qquad\quad 8.98755\times 10^{16} r \delta \mathrm{Cos}[\beta] + 1.\, r v^2 \delta \mathrm{Cos}[\beta]\Big) \\
&\qquad \Big(-8.98755\times 10^{16} r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755\times 10^{16} z^2 \theta^2 - \\
&\qquad\quad 1.\, v^2 z^2 \theta^2 - 8.98755\times 10^{16} r z \delta \theta \mathrm{Cos}[\beta] + 1.\, r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big) + \\
&\qquad \Big(8.98755\times 10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755\times 10^{16} z^2 \theta^2 + \\
&\qquad\quad v^2 z^2 \theta^2 + 3.59502\times 10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] - \\
&\qquad\quad 8.98755\times 10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)^2 - \\
&\qquad 12.\, r^2 \left(-8.98755\times 10^{16} + v^2\right) \delta^2 \Big(-8.98755\times 10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + \\
&\qquad\quad r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \\
&\qquad\quad \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big)\Big)\Big) \Big/ \\
&\quad \Big(r^2 \left(-8.98755\times 10^{16} + 1.\, v^2\right) \Big(108.\, r^2 \left(-8.98755\times 10^{16} + v^2\right) \delta^2 \\
&\qquad \mathrm{Cos}[\beta]^2 \Big(-8.98755\times 10^{16} r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755\times 10^{16} z^2 \theta^2 -
\end{aligned}
$$

$$
\begin{aligned}
&1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + \\
&1.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big)^2 + 36.\ r\ \delta\ \mathrm{Cos}[\beta]\ \big(8.98755\times10^{16}\ z\ \theta - \\
&1.\ v^2 z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\big) \\
&\big(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - \\
&1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big) \\
&\big(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + \\
&v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2\big) + \\
&2.\ \big(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + \\
&v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2\big)^3 - \\
&108.\ r^2 \delta^2\ \big(8.98755\times10^{16}\ z\ \theta - 1.\ v^2 z\ \theta - 8.98755\times10^{16}\ r\ \delta \\
&\mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\big)^2\ \big(-8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2 \theta^2\ \mathrm{Cos}[\beta]^2 - \\
&1.\ v^2 z^2 \theta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3 \theta^3\ \mathrm{Sin}[\beta]^2 - \\
&1.\ v^2 z^3 \theta^3\ \mathrm{Sin}[\beta]^2\big) + 72.\ r^2\ \big(-8.98755\times10^{16} + v^2\big)\ \delta^2 \\
&\big(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + \\
&v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2\big) \\
&\big(-8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^2 \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2\ \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^3 \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3\ \mathrm{Sin}[\beta]^2\big) + \sqrt{\Big(-4.} \\
&\Big(12.\ r\ \delta\ \mathrm{Cos}[\beta]\ \big(8.98755\times10^{16}\ z\ \theta - 1.\ v^2 z\ \theta - 8.98755\times10^{16} \\
&r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\big)\ \big(-8.98755\times10^{16}\ r^2 \\
&\delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 - \\
&8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big) + \\
&\big(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} \\
&z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&4.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2\big)^2 - 12.\ r^2\ \big(-8.98755\times10^{16} + v^2\big)\ \delta^2 \\
&\big(-8.98755\times10^{16}\ r^2 \delta^2\ \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^2 \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2\ \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^3 \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3\ \mathrm{Sin}[\beta]^2\big)\Big)^3 + \\
&\Big(108.\ r^2\ \big(-8.98755\times10^{16} + v^2\big)\ \delta^2\ \mathrm{Cos}[\beta]^2 \\
&\big(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - \\
&1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2 z \\
&\delta\ \theta\ \mathrm{Cos}[\beta]\big)^2 + 36.\ r\ \delta\ \mathrm{Cos}[\beta]\ \big(8.98755\times10^{16}\ z\ \theta - \\
&1.\ v^2 z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r \\
&v^2\ \delta\ \mathrm{Cos}[\beta]\big)\ \big(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + \\
&8.98755\times10^{16}\ z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16} \\
&r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2 z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big)\ \big(8.98755\times10^{16} \\
&r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 +
\end{aligned}
$$

$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)+2.\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)+72.\,r^2\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}\,0.264567\Big(108.\,r^2\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\,\mathrm{Cos}[\beta]^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)+2.\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^3-108.\,r^2\,\delta^2\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)^2\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)+72.\,r^2\Big(-8.98755\times10^{16}+v^2\Big)\,\delta^2\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)+$$

$$\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times}$$

$$10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}$$

$$r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$

$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+$$

$$\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}$$

$$z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$

$$4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2$$

$$\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)^3+$$

$$\Big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2$$

$$\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-$$

$$1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta$$

$$\theta\,\mathrm{Cos}[\beta]\big)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.$$

$$v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)$$

$$\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}$$

$$z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+$$

$$1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-$$

$$8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta$$

$$\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2$$

$$\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-$$

$$1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+$$

$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$

$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-$$

$$108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-$$

$$8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2$$

$$\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+72.$$

$$r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2$$

$$v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}$$

$$r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}$$

$$r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\,\big(-8.98755\times10^{16}$$

$$r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2$$

$$\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}$$

$$z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)^2\Big)\Big)^{1/3}\Bigg)\Bigg)\Bigg)\Bigg\},$$

$$\Big\{\alpha\to-\frac{0.5\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)}{r\,\big(-8.98755\times10^{16}+v^2\big)}-$$

$$0.5$$

$$\sqrt{\Bigg(\frac{1.\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \text{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \text{Cos}[\beta])^2}{r^2\ (-8.98755\times10^{16} + v^2)^2} -}$$

$$\frac{1}{r^2\ (-8.98755\times10^{16} + v^2)}$$

$$0.666667$$

$$(8.98755\times10^{16}\ r^2\ \delta^2 -$$

$$1.\ r^2\ v^2\ \delta^2 -$$

$$8.98755\times10^{16}\ z^2\ \theta^2 +$$

$$v^2\ z^2\ \theta^2 +$$

$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] -$$

$$4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta] -$$

$$8.98755\times10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 +$$

$$r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2) +$$

$$(0.419974\ (12.\ r\ \delta\ \text{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta -$$

$$8.98755\times10^{16}\ r\ \delta\ \text{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \text{Cos}[\beta])$$

$$(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 -$$

$$1.\ v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta]) +$$

$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 +$$

$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta] -$$

$$8.98755\times10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2)^2 -$$

$$12.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ (-8.98755\times10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 +$$

$$r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2\ \theta^2\ \text{Cos}[\beta]^2 -$$

$$1.\ v^2\ z^2\ \theta^2\ \text{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3\ \theta^3\ \text{Sin}[\beta]^2 -$$

$$1.\ v^2\ z^3\ \theta^3\ \text{Sin}[\beta]^2)))\Big/$$

$$(r^2\ (-8.98755\times10^{16} + 1.\ v^2)\ (108.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ \text{Cos}[\beta]^2$$

$$(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 -$$

$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta])^2 + 36.$$

$$r\ \delta\ \text{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}$$

$$r\ \delta\ \text{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \text{Cos}[\beta])$$

$$(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 -$$

$$1.\ v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta])$$

$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$

$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta] -$$

$$8.98755\times10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2) + 2.$$

$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$

$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \text{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \text{Cos}[\beta] -$$

$$8.98755\times10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2)^3 - 108.\ r^2$$

$$\delta^2\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \text{Cos}[\beta] +$$

$$1.\ r\ v^2\ \delta\ \text{Cos}[\beta])^2\ (-8.98755\times10^{16}\ r^2\ \delta^2\ \text{Cos}[\beta]^2 +$$

$$r^2\ v^2\ \delta^2\ \text{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2\ \theta^2\ \text{Cos}[\beta]^2 -$$

$$1.\ v^2 z^2 \theta^2 \text{Cos}[\beta]^2 + 8.98755\times10^{16} z^3 \theta^3 \text{Sin}[\beta]^2 -$$
$$1.\ v^2 z^3 \theta^3 \text{Sin}[\beta]^2) + 72.\ r^2 (-8.98755\times10^{16} + v^2)$$
$$\delta^2 (8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \text{Cos}[\beta] - 4.\ r v^2 z \delta \theta \text{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \text{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \text{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \text{Sin}[\beta]^2) +$$
$$\surd(-4.\ (12.\ r \delta \text{Cos}[\beta]\ (8.98755\times10^{16} z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16}$$
$$r \delta \text{Cos}[\beta] + 1.\ r v^2 \delta \text{Cos}[\beta])\ (-8.98755\times10^{16} r^2 \delta^2 +$$
$$1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 -$$
$$8.98755\times10^{16} r z \delta \theta \text{Cos}[\beta] + 1.\ r v^2 z \delta \theta \text{Cos}[\beta]) +$$
$$(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \text{Cos}[\beta] -$$
$$4.\ r v^2 z \delta \theta \text{Cos}[\beta] - 8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 +$$
$$r^2 v^2 \delta^2 \text{Cos}[\beta]^2)^2 - 12.\ r^2 (-8.98755\times10^{16} + v^2) \delta^2$$
$$(-8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \text{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \text{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \text{Sin}[\beta]^2))^3 +$$
$$(108.\ r^2 (-8.98755\times10^{16} + v^2) \delta^2 \text{Cos}[\beta]^2 (-8.98755\times10^{16}$$
$$r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 -$$
$$8.98755\times10^{16} r z \delta \theta \text{Cos}[\beta] + 1.\ r v^2 z \delta \theta \text{Cos}[\beta])^2 +$$
$$36.\ r \delta \text{Cos}[\beta]\ (8.98755\times10^{16} z \theta - 1.\ v^2 z \theta -$$
$$8.98755\times10^{16} r \delta \text{Cos}[\beta] + 1.\ r v^2 \delta \text{Cos}[\beta])$$
$$(-8.98755\times10^{16} r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 - 1.\ v^2$$
$$z^2 \theta^2 - 8.98755\times10^{16} r z \delta \theta \text{Cos}[\beta] + 1.\ r v^2 z \delta \theta \text{Cos}[\beta])$$
$$(8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \text{Cos}[\beta] - 4.\ r v^2 z \delta \theta \text{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2) +$$
$$2.\ (8.98755\times10^{16} r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \text{Cos}[\beta] - 4.\ r v^2 z \delta \theta \text{Cos}[$$
$$\beta] - 8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2)^3 -$$
$$108.\ r^2 \delta^2 (8.98755\times10^{16} z \theta - 1.\ v^2 z \theta - 8.98755\times$$
$$10^{16} r \delta \text{Cos}[\beta] + 1.\ r v^2 \delta \text{Cos}[\beta])^2$$
$$(-8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \text{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \text{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \text{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \text{Sin}[\beta]^2) +$$
$$72.\ r^2 (-8.98755\times10^{16} + v^2) \delta^2 (8.98755\times10^{16} r^2 \delta^2 -$$
$$1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 +$$
$$3.59502\times10^{17} r z \delta \theta \text{Cos}[\beta] - 4.\ r v^2 z \delta \theta \text{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16} r^2 \delta^2 \text{Cos}[\beta]^2 + r^2 v^2 \delta^2 \text{Cos}[\beta]^2 +$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta^2]\Big)\Big)^2\Big)\Big)^{1/3}\Big)+$$

$$\frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}\,0.264567\,\Big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2$$
$$\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-$$
$$1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)^2+$$
$$36.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}$$
$$r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-$$
$$1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)$$
$$\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)+$$
$$2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^3-$$
$$108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}$$
$$r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)^2$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+$$
$$72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-$$
$$1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+$$
$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)+$$
$$\sqrt{}\Big(-4.\,\Big(12.\,r\,\delta\,\text{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}$$
$$r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta]\Big)\,\Big(-8.98755\times10^{16}\,r^2\,\delta^2+$$
$$1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$
$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]\Big)+$$
$$\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]-$$
$$4.\,r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2\Big)^2-12.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2$$
$$\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2\Big)\Big)^3+$$
$$\Big(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\text{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}$$
$$r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$

$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big)^2 +$$
$$36.\ r\ \delta\ \mathrm{Cos}[\beta]\ \Big(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta -$$
$$8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.$$
$$v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big)$$
$$\Big(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big) +$$
$$2.\ \Big(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta$$
$$\mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)^3 -$$
$$108.\ r^2\ \delta^2\ \Big(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times$$
$$10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)^2$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\Big) +$$
$$72.\ r^2\ \Big(-8.98755\times10^{16} + v^2\Big)\ \delta^2\ \Big(8.98755\times10^{16}\ r^2\ \delta^2 -$$
$$1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 +$$
$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + 8.98755\times$$
$$10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Bigg) + 0.5$$

$$\sqrt{\Bigg(\frac{2.\ \Big(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)^2}{r^2\ \Big(-8.98755\times10^{16} + v^2\Big)^2} -}$$

$$\frac{1}{r^2\ \Big(-8.98755\times10^{16} + v^2\Big)}$$
$$1.33333$$
$$\Big(8.98755\times10^{16}\ r^2\ \delta^2 -$$
$$1.\ r^2\ v^2\ \delta^2 -$$
$$8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 +$$
$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big) -$$
$$\Big(0.419974\ \Big(12.\ r\ \delta\ \mathrm{Cos}[\beta]\ \Big(8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta -$$
$$8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 -$$
$$1.\ v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big) +$$
$$\Big(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 +$$

$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)^2-$$
$$12.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)\ \delta^2\ \Big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-$$
$$1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-$$
$$1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\Big)\Big)\Big)\Big/$$
$$\Big(r^2\ \left(-8.98755\times10^{16}+1.\ v^2\right)\ \Big(108.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)\ \delta^2\ \mathrm{Cos}[\beta]^2$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-$$
$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big)^2+36.$$
$$r\ \delta\ \mathrm{Cos}[\beta]\ \Big(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}$$
$$r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-$$
$$1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big)$$
$$\Big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)+2.$$
$$\Big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)^3-108.\ r^2$$
$$\delta^2\ \Big(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+$$
$$1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)^2\ \Big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-$$
$$1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-$$
$$1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\Big)+72.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)$$
$$\delta^2\ \Big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\Big)+$$
$$\sqrt{}\Big(-4.\ \Big(12.\ r\ \delta\ \mathrm{Cos}[\beta]\ \Big(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}$$
$$r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\Big)\ \Big(-8.98755\times10^{16}\ r^2\ \delta^2+$$
$$1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-$$
$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\Big)+$$
$$\Big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\Big)^2-12.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)\ \delta^2$$
$$\Big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\Big)\Big)^3+$$

$$\Big(108.\ r^2\ (-8.98755\times10^{16}+v^2)\ \delta^2\ \mathrm{Cos}[\beta]^2\ (-8.98755\times10^{16}$$
$$r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-$$
$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])^2+$$
$$36.\ r\ \delta\ \mathrm{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-$$
$$8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2$$
$$z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])$$
$$(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)+$$
$$2.\ (8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[$$
$$\beta]-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^3-$$
$$108.\ r^2\ \delta^2\ (8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times$$
$$10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])^2$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2)+$$
$$72.\ r^2\ (-8.98755\times10^{16}+v^2)\ \delta^2\ (8.98755\times10^{16}\ r^2\ \delta^2-$$
$$1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+$$
$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2))^2))^{1/3}\Big)-$$
$$\frac{1}{r^2\ (-8.98755\times10^{16}+v^2)}\ 0.264567\ \Big(108.\ r^2\ (-8.98755\times10^{16}+v^2)\ \delta^2$$
$$\mathrm{Cos}[\beta]^2\ (-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-$$
$$1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])^2+$$
$$36.\ r\ \delta\ \mathrm{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}$$
$$r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-$$
$$1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])$$
$$(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)+$$
$$2.\ (8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+$$
$$v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^3-$$
$$108.\ r^2\ \delta^2\ (8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}$$
$$r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])^2$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+$$

$$
\begin{aligned}
&8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
&72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - \\
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) \\
&\big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
&\sqrt{\Big(-4.\, \Big(12.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}} \\
&\quad r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2 + \\
&\quad 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&\quad 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) + \\
&\quad \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^2 - 12.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2 \\
&\quad \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\Big)^3 + \\
&\Big(108.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \mathrm{Cos}[\beta]^2\, \big(-8.98755\times 10^{16} \\
&\quad r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&\quad 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big)^2 + \\
&\quad 36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \\
&\quad 8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big) \\
&\quad \big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1. \\
&\quad v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) \\
&\quad \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) + \\
&\quad 2.\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&\quad v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \\
&\quad \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^3 - \\
&\quad 108.\, r^2\, \delta^2\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times \\
&\quad 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2 \\
&\quad \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
&\quad 72.\, r^2\, \left(-8.98755\times 10^{16} + v^2\right)\, \delta^2\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - \\
&\quad 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&\quad 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)
\end{aligned}
$$

$$\left(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Big)^2\Big)\Big)^{1/3}-$$

$$\Bigg(0.25\,\Bigg(-\Bigg(\Big(8.\,\left(8.98755\times10^{16}\, z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^3\Big)\Big/\left(r^3\left(-8.98755\times10^{16}+v^2\right)^3\right)\Bigg)+$$

$$\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}\,16.\,\delta\,\mathrm{Cos}[\beta]\,\Big(-8.98755\times10^{16}\, r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\, z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\, r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)+$$

$$\Big(8.\,\left(8.98755\times10^{16}\, z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\Big(8.98755\times10^{16}\, r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\, z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\, r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)\Big)\Big/\left(r^3\left(-8.98755\times10^{16}+v^2\right)^2\right)\Bigg)\Bigg)\Big/$$

$$\Bigg(\sqrt{\Bigg(\Big(1.\,\left(8.98755\times10^{16}\, z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\Big)\Big/\left(r^2\left(-8.98755\times10^{16}+v^2\right)^2\right)-}$$

$$\frac{1}{r^2\left(-8.98755\times10^{16}+v^2\right)}\,0.666667\,\Big(8.98755\times10^{16}\, r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\, z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\, r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)+$$

$$\Bigg(0.419974\,\Bigg(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times10^{16}\, z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)$$

$$\left(-8.98755\times10^{16}\, r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\, z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\, r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+$$

$$\Big(8.98755\times10^{16}\, r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\, z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\, r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2-$$

$$12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\Big(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Bigg)\Bigg)\Big/$$

$$\Big(r^2\left(-8.98755\times10^{16}+1.\,v^2\right)\Big(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\mathrm{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\, r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\, z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\, r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times10^{16}\, z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\right.$$
$$\left.1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)$$
$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+$$
$$2.\,\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-$$
$$108.\,r^2\,\delta^2\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\right.$$
$$\left.\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\,\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.$$
$$r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-$$
$$1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-$$
$$\left.1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2$$
$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)$$
$$\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$
$$\left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+\sqrt{\left(-4.\right.}$$
$$\left(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\right.\right.$$
$$\left.r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\,\left(-8.98755\times10^{16}\,r^2\right.$$
$$\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$
$$\left.8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+$$
$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\right.$$
$$z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$
$$\left.r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-12.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2$$
$$\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$
$$\left.\left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^3+$$
$$\left(108.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\mathrm{Cos}[\beta]^2\right.$$
$$\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\right.$$
$$1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+$$
$$\left.1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]$$
$$\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\right.$$
$$\left.\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\,\left(-8.98755\times10^{16}\,r^2\,\delta^2+\right.$$
$$1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$
$$\left.8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)$$
$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\right.$$
$$z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$
$$\left.r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+2.\,\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.$$

$$1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 +$$
$$3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2)^3 -$$
$$108.\, r^2 \delta^2 (8.98755\times10^{16} z \theta - 1.\, v^2 z \theta -$$
$$8.98755\times10^{16} r \delta \mathrm{Cos}[\beta] + 1.\, r v^2 \delta \mathrm{Cos}[\beta])^2$$
$$(-8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2) +$$
$$72.\, r^2 (-8.98755\times10^{16} + v^2) \delta^2 (8.98755\times10^{16} r^2 \delta^2 -$$
$$1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times$$
$$10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] - 8.98755\times$$
$$10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2) (-8.98755\times$$
$$10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + 8.98755\times$$
$$10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + 8.98755\times$$
$$10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2))^2))^{1/3}) +$$

$$\frac{1}{r^2 (-8.98755\times10^{16} + v^2)} 0.264567 (108.\, r^2 (-8.98755\times10^{16} + v^2)$$
$$\delta^2 \mathrm{Cos}[\beta]^2 (-8.98755\times10^{16} r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755\times10^{16}$$
$$z^2 \theta^2 - 1.\, v^2 z^2 \theta^2 - 8.98755\times10^{16} r z \delta \theta \mathrm{Cos}[\beta] +$$
$$1.\, r v^2 z \delta \theta \mathrm{Cos}[\beta])^2 + 36.\, r \delta \mathrm{Cos}[\beta] (8.98755\times10^{16} z \theta -$$
$$1.\, v^2 z \theta - 8.98755\times10^{16} r \delta \mathrm{Cos}[\beta] + 1.\, r v^2 \delta \mathrm{Cos}[\beta])$$
$$(-8.98755\times10^{16} r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755\times10^{16} z^2 \theta^2 -$$
$$1.\, v^2 z^2 \theta^2 - 8.98755\times10^{16} r z \delta \theta \mathrm{Cos}[\beta] + 1.\, r v^2 z \delta \theta \mathrm{Cos}[\beta])$$
$$(8.98755\times10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2) +$$
$$2.\, (8.98755\times10^{16} r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 +$$
$$v^2 z^2 \theta^2 + 3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2)^3 -$$
$$108.\, r^2 \delta^2 (8.98755\times10^{16} z \theta - 1.\, v^2 z \theta - 8.98755\times10^{16}$$
$$r \delta \mathrm{Cos}[\beta] + 1.\, r v^2 \delta \mathrm{Cos}[\beta])^2$$
$$(-8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2) +$$
$$72.\, r^2 (-8.98755\times10^{16} + v^2) \delta^2 (8.98755\times10^{16} r^2 \delta^2 -$$
$$1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16} z^2 \theta^2 + v^2 z^2 \theta^2 +$$
$$3.59502\times10^{17} r z \delta \theta \mathrm{Cos}[\beta] - 4.\, r v^2 z \delta \theta \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16} r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2) +$$
$$\sqrt{(}-4.\, (12.\, r \delta \mathrm{Cos}[\beta] (8.98755\times10^{16} z \theta - 1.\, v^2 z \theta - 8.98755\times$$

$$10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) + \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^2 - 12.\, r^2\, \big(-8.98755\times 10^{16} + v^2\big)\, \delta^2\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\Big)^3 +$$

$$\Big(108.\, r^2\, \big(-8.98755\times 10^{16} + v^2\big)\, \delta^2\, \mathrm{Cos}[\beta]^2\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big)^2 + 36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big)\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) + 2.\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^3 - 108.\, r^2\, \delta^2\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + 72.\, r^2\, \big(-8.98755\times 10^{16} + v^2\big)\, \delta^2\, \big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)\, \big(-8.98755\times 10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\Big)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha \to -\frac{0.5\, \big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)}{r\, \big(-8.98755\times 10^{16} + v^2\big)} +$$

$$0.5$$

$$\surd\Bigg(\frac{1.\ (8.98755\times 10^{16}\, z\,\theta - 1.\ v^2\, z\,\theta - 8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta] + 1.\ r\,v^2\,\delta\,\text{Cos}[\beta])^2}{r^2\,(-8.98755\times 10^{16} + v^2)^2} -$$

$$\frac{1}{r^2\,(-8.98755\times 10^{16} + v^2)}$$

$$0.666667\,(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\ r^2\,v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + v^2\,z^2\,\theta^2 + 3.59502\times 10^{17}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] - 4.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2) +$$

$$(0.419974\,(12.\ r\,\delta\,\text{Cos}[\beta]\,(8.98755\times 10^{16}\, z\,\theta - 1.\ v^2\,z\,\theta - 8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta] + 1.\ r\,v^2\,\delta\,\text{Cos}[\beta])$$

$$(-8.98755\times 10^{16}\, r^2\,\delta^2 + 1.\ r^2\,v^2\,\delta^2 + 8.98755\times 10^{16}\, z^2\,\theta^2 - 1.\ v^2\,z^2\,\theta^2 - 8.98755\times 10^{16}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] + 1.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta]) +$$

$$(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\ r^2\,v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + v^2\,z^2\,\theta^2 + 3.59502\times 10^{17}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] - 4.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)^2 -$$

$$12.\ r^2\,(-8.98755\times 10^{16} + v^2)\,\delta^2\,(-8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\ v^2\,z^2\,\theta^2\,\text{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\,\theta^3\,\text{Sin}[\beta]^2 - 1.\ v^2\,z^3\,\theta^3\,\text{Sin}[\beta]^2)))\Big/$$

$$(r^2\,(-8.98755\times 10^{16} + 1.\ v^2)\,(108.\ r^2\,(-8.98755\times 10^{16} + v^2)\,\delta^2\,\text{Cos}[\beta]^2$$

$$(-8.98755\times 10^{16}\, r^2\,\delta^2 + 1.\ r^2\,v^2\,\delta^2 + 8.98755\times 10^{16}\, z^2\,\theta^2 - 1.\ v^2\,z^2\,\theta^2 - 8.98755\times 10^{16}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] + 1.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta])^2 + 36.$$

$$r\,\delta\,\text{Cos}[\beta]\,(8.98755\times 10^{16}\, z\,\theta - 1.\ v^2\,z\,\theta - 8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta] + 1.\ r\,v^2\,\delta\,\text{Cos}[\beta])$$

$$(-8.98755\times 10^{16}\, r^2\,\delta^2 + 1.\ r^2\,v^2\,\delta^2 + 8.98755\times 10^{16}\, z^2\,\theta^2 - 1.\ v^2\,z^2\,\theta^2 - 8.98755\times 10^{16}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] + 1.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta])$$

$$(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\ r^2\,v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + v^2\,z^2\,\theta^2 + 3.59502\times 10^{17}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] - 4.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2) + 2.$$

$$(8.98755\times 10^{16}\, r^2\,\delta^2 - 1.\ r^2\,v^2\,\delta^2 - 8.98755\times 10^{16}\, z^2\,\theta^2 + v^2\,z^2\,\theta^2 + 3.59502\times 10^{17}\, r\,z\,\delta\,\theta\,\text{Cos}[\beta] - 4.\ r\,v^2\,z\,\delta\,\theta\,\text{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\,\delta^2\,\text{Cos}[\beta]^2 + r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)^3 -$$

$$108.\ r^2\,\delta^2\,(8.98755\times 10^{16}\, z\,\theta - 1.\ v^2\,z\,\theta - 8.98755\times 10^{16}\, r\,\delta\,\text{Cos}[\beta] + 1.\ r\,v^2\,\delta\,\text{Cos}[\beta])^2$$

$$
\begin{aligned}
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad \left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+72.\\
&r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad \left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad \left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+\\
&\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}}\\
&\qquad r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)\Big(-8.98755\times10^{16}\,r^2\,\delta^2+\\
&\qquad 1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)+\\
&\quad\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^3+\\
&\Big(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\mathrm{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2+\\
&\quad 36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\\
&\qquad 8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\\
&\qquad z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)\\
&\quad\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)+\\
&\quad 2.\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\qquad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\\
&\qquad \beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^3-\\
&\quad 108.\,r^2\,\delta^2\,\Big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times\\
&\qquad 10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)^2\\
&\quad\Big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)+\\
&\quad 72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\Big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\qquad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\qquad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-
\end{aligned}
$$

$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2)\big)^2\big)\big)^{1/3}\Big)+$$

$$\frac{1}{r^2\,(-8.98755\times10^{16}+v^2)}\,0.264567\,\Big(108.\,r^2\,(-8.98755\times10^{16}+v^2)\,\delta^2$$
$$\text{Cos}[\beta]^2\,(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-$$
$$1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta])^2+$$
$$36.\,r\,\delta\,\text{Cos}[\beta]\,(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}$$
$$r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta])$$
$$(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-$$
$$1.\,v^2\,z^2\,\Theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+$$
$$1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta])\,(8.98755\times10^{16}\,r^2\,\delta^2-$$
$$1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+$$
$$3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)+$$
$$2.\,(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+$$
$$v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)^3-$$
$$108.\,r^2\,\delta^2\,(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}$$
$$r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta])^2$$
$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2)+$$
$$72.\,r^2\,(-8.98755\times10^{16}+v^2)\,\delta^2\,(8.98755\times10^{16}\,r^2\,\delta^2-$$
$$1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+v^2\,z^2\,\Theta^2+$$
$$3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2)+$$
$$\sqrt{}\Big(\Big(-4.\,\Big(12.\,r\,\delta\,\text{Cos}[\beta]\,(8.98755\times10^{16}\,z\,\Theta-1.\,v^2\,z\,\Theta-8.98755\times10^{16}$$
$$r\,\delta\,\text{Cos}[\beta]+1.\,r\,v^2\,\delta\,\text{Cos}[\beta])\,(-8.98755\times10^{16}\,r^2\,\delta^2+$$
$$1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\Theta^2-1.\,v^2\,z^2\,\Theta^2-$$
$$8.98755\times10^{16}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta])+$$
$$(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\Theta^2+$$
$$v^2\,z^2\,\Theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\Theta\,\text{Cos}[\beta]-$$
$$4.\,r\,v^2\,z\,\delta\,\Theta\,\text{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2)^2-12.\,r^2\,(-8.98755\times10^{16}+v^2)\,\delta^2$$
$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\text{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\Theta^2\,\text{Cos}[\beta]^2-1.\,v^2\,z^2\,\Theta^2\,\text{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\Theta^3\,\text{Sin}[\beta]^2-1.\,v^2\,z^3\,\Theta^3\,\text{Sin}[\beta]^2)\Big)^3+$$

$$\left(108.\ r^2 \left(-8.98755\times10^{16}+v^2\right) \delta^2 \operatorname{Cos}[\beta]^2 \left(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r z \delta \theta \operatorname{Cos}[\beta] + 1.\ r v^2 z \delta \theta \operatorname{Cos}[\beta]\right)^2 + 36.\ r \delta \operatorname{Cos}[\beta] \left(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16}\ r \delta \operatorname{Cos}[\beta] + 1.\ r v^2 \delta \operatorname{Cos}[\beta]\right) \left(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r z \delta \theta \operatorname{Cos}[\beta] + 1.\ r v^2 z \delta \theta \operatorname{Cos}[\beta]\right) \left(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r z \delta \theta \operatorname{Cos}[\beta] - 4.\ r v^2 z \delta \theta \operatorname{Cos}[\beta] - 8.98755\times10^{16}\ r^2 \delta^2 \operatorname{Cos}[\beta]^2 + r^2 v^2 \delta^2 \operatorname{Cos}[\beta]^2\right) + 2.\ \left(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r z \delta \theta \operatorname{Cos}[\beta] - 4.\ r v^2 z \delta \theta \operatorname{Cos}[\beta] - 8.98755\times10^{16}\ r^2 \delta^2 \operatorname{Cos}[\beta]^2 + r^2 v^2 \delta^2 \operatorname{Cos}[\beta]^2\right)^3 - 108.\ r^2 \delta^2 \left(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16}\ r \delta \operatorname{Cos}[\beta] + 1.\ r v^2 \delta \operatorname{Cos}[\beta]\right)^2 \left(-8.98755\times10^{16}\ r^2 \delta^2 \operatorname{Cos}[\beta]^2 + r^2 v^2 \delta^2 \operatorname{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \operatorname{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3 \theta^3 \operatorname{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \operatorname{Sin}[\beta]^2\right) + 72.\ r^2 \left(-8.98755\times10^{16}+v^2\right) \delta^2 \left(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r z \delta \theta \operatorname{Cos}[\beta] - 4.\ r v^2 z \delta \theta \operatorname{Cos}[\beta] - 8.98755\times10^{16}\ r^2 \delta^2 \operatorname{Cos}[\beta]^2 + r^2 v^2 \delta^2 \operatorname{Cos}[\beta]^2\right) \left(-8.98755\times10^{16}\ r^2 \delta^2 \operatorname{Cos}[\beta]^2 + r^2 v^2 \delta^2 \operatorname{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^2 \theta^2 \operatorname{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \operatorname{Cos}[\beta]^2 + 8.98755\times10^{16}\ z^3 \theta^3 \operatorname{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \operatorname{Sin}[\beta]^2\right)\right)^2\Big)\Big)^{1/3}\right) - 0.5$$

$$\sqrt{\left(\frac{2.\ \left(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16}\ r \delta \operatorname{Cos}[\beta] + 1.\ r v^2 \delta \operatorname{Cos}[\beta]\right)^2}{r^2 \left(-8.98755\times10^{16}+v^2\right)^2} - \frac{1}{r^2 \left(-8.98755\times10^{16}+v^2\right)} 1.33333 \left(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r z \delta \theta \operatorname{Cos}[\beta] - 4.\ r v^2 z \delta \theta \operatorname{Cos}[\beta] - 8.98755\times10^{16}\ r^2 \delta^2 \operatorname{Cos}[\beta]^2 + r^2 v^2 \delta^2 \operatorname{Cos}[\beta]^2\right) - \right.}$$

$$\left(0.419974 \left(12.\ r \delta \operatorname{Cos}[\beta] \left(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16}\ r \delta \operatorname{Cos}[\beta] + 1.\ r v^2 \delta \operatorname{Cos}[\beta]\right)\right.\right.$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+$$

$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-$$

$$12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Big)\Big)\Big/$$

$$\Big(r^2\left(-8.98755\times10^{16}+1.\,v^2\right)\Big(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\,\mathrm{Cos}[\beta]^2$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+36.$$

$$r\,\delta\,\mathrm{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)$$

$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+2.$$

$$\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-$$

$$108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+72.$$

$$r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)$$

$$\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+$$

$$\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+}$$

$$\Big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$
\begin{aligned}
&r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)^2 - 12.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \\
&\Big(-8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big)\Big)^3 + \\
&\Big(108.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \mathrm{Cos}[\beta]^2 \Big(-8.98755\times10^{16} \\
&r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - 1.\ v^2 z^2 \theta^2 - \\
&8.98755\times10^{16}\ r z \delta \theta \mathrm{Cos}[\beta] + 1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big)^2 + \\
&36.\ r \delta \mathrm{Cos}[\beta] \Big(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - \\
&8.98755\times10^{16}\ r \delta \mathrm{Cos}[\beta] + 1.\ r v^2 \delta \mathrm{Cos}[\beta]\Big) \\
&\Big(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - 1.\ v^2 \\
&z^2 \theta^2 - 8.98755\times10^{16}\ r z \delta \theta \mathrm{Cos}[\beta] + 1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big) \\
&\Big(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + \\
&v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big) + \\
&2.\ \Big(8.98755\times10^{16}\ r^2 \delta^2 - 1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + \\
&v^2 z^2 \theta^2 + 3.59502\times10^{17}\ r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta \mathrm{Cos}[\\
&\beta] - 8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big)^3 - \\
&108.\ r^2 \delta^2 \Big(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - 8.98755\times \\
&10^{16}\ r \delta \mathrm{Cos}[\beta] + 1.\ r v^2 \delta \mathrm{Cos}[\beta]\Big)^2 \\
&\Big(-8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big) + \\
&72.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \Big(8.98755\times10^{16}\ r^2 \delta^2 - \\
&1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 + \\
&3.59502\times10^{17}\ r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\ v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\ z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\ v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Big) - \\
&\frac{1}{r^2 \left(-8.98755\times10^{16} + v^2\right)}\ 0.264567 \Big(108.\ r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \\
&\mathrm{Cos}[\beta]^2 \Big(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - \\
&1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r z \delta \theta \mathrm{Cos}[\beta] + 1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big)^2 + \\
&36.\ r \delta \mathrm{Cos}[\beta] \Big(8.98755\times10^{16}\ z \theta - 1.\ v^2 z \theta - 8.98755\times10^{16} \\
&r \delta \mathrm{Cos}[\beta] + 1.\ r v^2 \delta \mathrm{Cos}[\beta]\Big) \\
&\Big(-8.98755\times10^{16}\ r^2 \delta^2 + 1.\ r^2 v^2 \delta^2 + 8.98755\times10^{16}\ z^2 \theta^2 - \\
&1.\ v^2 z^2 \theta^2 - 8.98755\times10^{16}\ r z \delta \theta \mathrm{Cos}[\beta] + \\
&1.\ r v^2 z \delta \theta \mathrm{Cos}[\beta]\Big) \Big(8.98755\times10^{16}\ r^2 \delta^2 - \\
&1.\ r^2 v^2 \delta^2 - 8.98755\times10^{16}\ z^2 \theta^2 + v^2 z^2 \theta^2 + \\
&3.59502\times10^{17}\ r z \delta \theta \mathrm{Cos}[\beta] - 4.\ r v^2 z \delta \theta \mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\ r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\Big) +
\end{aligned}
$$

$$
\begin{aligned}
&2.\ (8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + \\
&\quad v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^3 - \\
&108.\ r^2\ \delta^2\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16} \\
&\quad r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])^2 \\
&\quad (-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2) + \\
&72.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ (8.98755\times10^{16}\ r^2\ \delta^2 - \\
&\quad 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 + \\
&\quad 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&\quad 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2) \\
&\quad (-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + \\
&\quad 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2) + \\
&\sqrt{}\ (-4.\ (12.\ r\ \delta\ \mathrm{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16} \\
&\qquad r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])\ (-8.98755\times10^{16}\ r^2\ \delta^2 + \\
&\qquad 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 - \\
&\qquad 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]) + \\
&\qquad (8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + \\
&\qquad v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&\qquad 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&\qquad r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^2 - 12.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2 \\
&\qquad (-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 + \\
&\qquad 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2))^3 + \\
&\quad (108.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ \mathrm{Cos}[\beta]^2\ (-8.98755\times10^{16} \\
&\qquad r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 - \\
&\qquad 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])^2 + \\
&\qquad 36.\ r\ \delta\ \mathrm{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - \\
&\qquad 8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]) \\
&\qquad (-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1. \\
&\qquad v^2\ z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]) \\
&\qquad (8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + \\
&\qquad v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - \\
&\qquad 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2) + \\
&\qquad 2.\ (8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + \\
&\qquad v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta \\
&\qquad \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^3 - \\
&\qquad 108.\ r^2\ \delta^2\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times \\
&\qquad 10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])^2 \\
&\qquad (-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +
\end{aligned}
$$

$$
\begin{aligned}
&8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big) + \\
&72.\, r^2\,\left(-8.98755\times10^{16} + v^2\right)\delta^2\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - \\
&1.\, r^2\, v^2\,\delta^2 - 8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + \\
&3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3} +
\end{aligned}
$$

$$
\begin{aligned}
&\Bigg(0.25\,\Bigg(-\bigg(\Big(8.\,\left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - 8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + \right. \\
&\left. 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\right)^3\Big)\Big/\left(r^3\,\left(-8.98755\times10^{16} + v^2\right)^3\right)\bigg) + \\
&\frac{1}{r^2\,\left(-8.98755\times10^{16} + v^2\right)}\, 16.\,\delta\,\mathrm{Cos}[\beta]\,\Big(-8.98755\times10^{16}\, r^2\,\delta^2 + \\
&1.\, r^2\, v^2\,\delta^2 + 8.98755\times10^{16}\, z^2\,\theta^2 - 1.\, v^2\, z^2\,\theta^2 - \\
&8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big) + \\
&\Big(8.\,\left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - 8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + \right. \\
&\left. 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\right)\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - \\
&8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)\Big)\Big/\left(r^3\,\left(-8.98755\times10^{16} + v^2\right)^2\right)\Bigg)\Bigg)\Big/
\end{aligned}
$$

$$
\begin{aligned}
&\Bigg(\sqrt{\Bigg(\Big(1.\,\left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - 8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + \right.} \\
&\left. 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\Big)\Big/\left(r^2\,\left(-8.98755\times10^{16} + v^2\right)^2\right) - \\
&\frac{1}{r^2\,\left(-8.98755\times10^{16} + v^2\right)}\, 0.666667\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - \\
&1.\, r^2\, v^2\,\delta^2 - 8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + \\
&3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big) + \\
&\Big(0.419974\,\Big(12.\, r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - \right. \\
&\left. 8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\right) \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times10^{16}\, z^2\,\theta^2 - \\
&1.\, v^2\, z^2\,\theta^2 - 8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big) + \\
&\Big(8.98755\times10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - 8.98755\times10^{16}\, z^2\,\theta^2 + \\
&v^2\, z^2\,\theta^2 + 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2 - \\
&12.\, r^2\,\left(-8.98755\times10^{16} + v^2\right)\delta^2\,\Big(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2 \\
&\mathrm{Cos}[\beta]^2 + 8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)\Big)\Big/
\end{aligned}
$$

$$
\begin{aligned}
&\Big(r^2 \left(-8.98755\times10^{16}+1.\ v^2\right) \Big(108.\ r^2 \left(-8.98755\times10^{16}+v^2\right) \delta^2\\
&\quad \mathrm{Cos}[\beta]^2 \big(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-\\
&\quad 1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+\\
&\quad 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big)^2+36.\ r\ \delta\ \mathrm{Cos}[\beta]\ \big(8.98755\times10^{16}\ z\ \theta-\\
&\quad 1.\ v^2\ z\ \theta-8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\big)\\
&\quad \big(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-\\
&\quad 1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big)\\
&\quad \big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+\\
&\quad v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\big)+\\
&\quad 2.\ \big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+\\
&\quad v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\big)^3-\\
&\quad 108.\ r^2\ \delta^2\ \big(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\\
&\quad r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\big)^2\\
&\quad \big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\big)+\\
&\quad 72.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)\ \delta^2\ \big(8.98755\times10^{16}\ r^2\ \delta^2-\\
&\quad 1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\ z^2\ \theta^2+v^2\ z^2\ \theta^2+\\
&\quad 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\big)\\
&\quad \big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\big)+\sqrt{\Big(-4.}\\
&\quad \Big(12.\ r\ \delta\ \mathrm{Cos}[\beta]\ \big(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\\
&\quad r\ \delta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta]\big)\ \big(-8.98755\times10^{16}\ r^2\\
&\quad \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-1.\ v^2\ z^2\ \theta^2-\\
&\quad 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big)+\\
&\quad \big(8.98755\times10^{16}\ r^2\ \delta^2-1.\ r^2\ v^2\ \delta^2-8.98755\times10^{16}\\
&\quad z^2\ \theta^2+v^2\ z^2\ \theta^2+3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-\\
&\quad 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2\big)^2-12.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)\ \delta^2\\
&\quad \big(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2+r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2-1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2-1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2\big)\Big)^3+\\
&\quad \Big(108.\ r^2\ \left(-8.98755\times10^{16}+v^2\right)\ \delta^2\ \mathrm{Cos}[\beta]^2\\
&\quad \big(-8.98755\times10^{16}\ r^2\ \delta^2+1.\ r^2\ v^2\ \delta^2+8.98755\times10^{16}\ z^2\ \theta^2-\\
&\quad 1.\ v^2\ z^2\ \theta^2-8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]+\\
&\quad 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]\big)^2+36.\ r\ \delta\ \mathrm{Cos}[\beta]\\
&\quad \big(8.98755\times10^{16}\ z\ \theta-1.\ v^2\ z\ \theta-8.98755\times10^{16}\ r
\end{aligned}
$$

$$
\begin{aligned}
&\delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\Big)\ \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + \\
&1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755\times 10^{16}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta]\Big) \\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16} \\
&z^2\, \theta^2 + v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] - \\
&4.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta] - 8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\Big) + 2.\ \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - \\
&1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&3.59502\times 10^{17}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\, \delta^2\ \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \\
&8.98755\times 10^{16}\, r\, \delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\Big)^2 \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2 \operatorname{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2 \operatorname{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^3\, \theta^3 \operatorname{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3 \operatorname{Sin}[\beta]^2\Big) + \\
&72.\, r^2\ \Big(-8.98755\times 10^{16} + v^2\Big)\, \delta^2\ \Big(8.98755\times 10^{16} \\
&r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
&3.59502\times 10^{17}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \\
&\operatorname{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 \operatorname{Cos}[\beta]^2 - \\
&1.\, v^2\, z^2\, \theta^2 \operatorname{Cos}[\beta]^2 + 8.98755\times 10^{16}\, z^3\, \theta^3 \\
&\operatorname{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3 \operatorname{Sin}[\beta]^2\Big)\Big)^2\Big)\Big)^{1/3}\Big) +
\end{aligned}
$$

$$
\begin{aligned}
&\frac{1}{r^2\ \left(-8.98755\times 10^{16} + v^2\right)}\ 0.264567\ \Big(108.\, r^2\ \Big(-8.98755\times 10^{16} + v^2\Big) \\
&\delta^2 \operatorname{Cos}[\beta]^2\ \Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
&8.98755\times 10^{16}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta]\Big)^2 + \\
&36.\, r\, \delta \operatorname{Cos}[\beta]\ \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \\
&8.98755\times 10^{16}\, r\, \delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\Big) \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times 10^{16}\, z^2\, \theta^2 - \\
&1.\, v^2\, z^2\, \theta^2 - 8.98755\times 10^{16}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta]\Big) \\
&\Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\Big) + \\
&2.\ \Big(8.98755\times 10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times 10^{16}\, z^2\, \theta^2 + \\
&v^2\, z^2\, \theta^2 + 3.59502\times 10^{17}\, r\, z\, \delta\, \theta \operatorname{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \operatorname{Cos}[\beta] - \\
&8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\, \delta^2\ \Big(8.98755\times 10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times 10^{16} \\
&r\, \delta \operatorname{Cos}[\beta] + 1.\, r\, v^2\, \delta \operatorname{Cos}[\beta]\Big)^2 \\
&\Big(-8.98755\times 10^{16}\, r^2\, \delta^2 \operatorname{Cos}[\beta]^2 + r^2\, v^2\, \delta^2 \operatorname{Cos}[\beta]^2 + \\
&8.98755\times 10^{16}\, z^2\, \theta^2 \operatorname{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2 \operatorname{Cos}[\beta]^2 +
\end{aligned}
$$

$$
\begin{aligned}
&8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big) + \\
&72.\, r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - \\
&1.\, r^2\, v^2\,\delta^2 - 8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + \\
&3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big) \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big) + \\
&\sqrt{\Big(-4.\,\Big(12.\, r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - 8.98755\times}\\
&10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\Big)\,\Big(-8.98755\times10^{16} \\
&r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times10^{16}\, z^2\,\theta^2 - 1.\, v^2\, z^2\,\theta^2 - \\
&8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big) + \\
&\Big(8.98755\times10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - 8.98755\times10^{16} \\
&z^2\,\theta^2 + v^2\, z^2\,\theta^2 + 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2 - 12.\, r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2 \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^3 + \\
&\Big(108.\, r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2\,\mathrm{Cos}[\beta]^2 \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times10^{16}\, z^2\,\theta^2 - \\
&1.\, v^2\, z^2\,\theta^2 - 8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\,\delta \\
&\theta\,\mathrm{Cos}[\beta]\Big)^2 + 36.\, r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16}\, z\,\theta - 1. \\
&v^2\, z\,\theta - 8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\Big) \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2 + 1.\, r^2\, v^2\,\delta^2 + 8.98755\times10^{16} \\
&z^2\,\theta^2 - 1.\, v^2\, z^2\,\theta^2 - 8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + \\
&1.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - 1.\, r^2\, v^2\,\delta^2 - \\
&8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + 3.59502\times10^{17}\, r\, z\,\delta\,\theta \\
&\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\,\delta^2 \\
&\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big) + 2.\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - \\
&1.\, r^2\, v^2\,\delta^2 - 8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + \\
&3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - \\
&8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^3 - \\
&108.\, r^2\,\delta^2\,\Big(8.98755\times10^{16}\, z\,\theta - 1.\, v^2\, z\,\theta - \\
&8.98755\times10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2\,\delta\,\mathrm{Cos}[\beta]\Big)^2 \\
&\Big(-8.98755\times10^{16}\, r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 + \\
&8.98755\times10^{16}\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big) + 72. \\
&r^2\,\left(-8.98755\times10^{16} + v^2\right)\,\delta^2\,\Big(8.98755\times10^{16}\, r^2\,\delta^2 - 1.\, r^2 \\
&v^2\,\delta^2 - 8.98755\times10^{16}\, z^2\,\theta^2 + v^2\, z^2\,\theta^2 + 3.59502\times10^{17} \\
&r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 8.98755\times10^{16} \\
&r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 + r^2\, v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)\,\Big(-8.98755\times10^{16}
\end{aligned}
$$

$$r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta^2]\Big)\Big)^2\Big)\Big)^{1/3}\Big)\Big)\Big)\Big\},$$

$$\Big\{\alpha\to-\frac{0.5\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)}{r\,\big(-8.98755\times10^{16}+v^2\big)}+$$

$$0.5\sqrt{\Bigg(\frac{1.\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2}{r^2\,\big(-8.98755\times10^{16}+v^2\big)^2}-}$$

$$\frac{1}{r^2\,\big(-8.98755\times10^{16}+v^2\big)}\,0.666667\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta^2]\big)+$$

$$\Big(0.419974\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+$$
$$\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta^2]\big)^2-$$
$$12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta^2]\big)\Big)\Big)\Big/$$

$$\Big(r^2\,\big(-8.98755\times10^{16}+1.\,v^2\big)\,\Big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2+36.$$
$$r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)$$

$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2) + 2.$$
$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^3 -$$
$$108.\ r^2\ \delta^2\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}$$
$$r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])^2$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2) + 72.$$
$$r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ (8.98755\times10^{16}\ r^2\ \delta^2 -$$
$$1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 + v^2\ z^2\ \theta^2 +$$
$$3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2) +$$
$$\sqrt{}\ (-4.\ (12.\ r\ \delta\ \mathrm{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta - 8.98755\times10^{16}$$
$$r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])\ (-8.98755\times10^{16}\ r^2\ \delta^2 +$$
$$1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 -$$
$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta]) +$$
$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^2 - 12.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 - 1.\ v^2\ z^2\ \theta^2\ \mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16}\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2 - 1.\ v^2\ z^3\ \theta^3\ \mathrm{Sin}[\beta]^2))^3 +$$
$$(108.\ r^2\ (-8.98755\times10^{16} + v^2)\ \delta^2\ \mathrm{Cos}[\beta]^2\ (-8.98755\times10^{16}$$
$$r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2\ z^2\ \theta^2 -$$
$$8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])^2 +$$
$$36.\ r\ \delta\ \mathrm{Cos}[\beta]\ (8.98755\times10^{16}\ z\ \theta - 1.\ v^2\ z\ \theta -$$
$$8.98755\times10^{16}\ r\ \delta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ \delta\ \mathrm{Cos}[\beta])$$
$$(-8.98755\times10^{16}\ r^2\ \delta^2 + 1.\ r^2\ v^2\ \delta^2 + 8.98755\times10^{16}\ z^2\ \theta^2 - 1.\ v^2$$
$$z^2\ \theta^2 - 8.98755\times10^{16}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] + 1.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta])$$
$$(8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2) +$$
$$2.\ (8.98755\times10^{16}\ r^2\ \delta^2 - 1.\ r^2\ v^2\ \delta^2 - 8.98755\times10^{16}\ z^2\ \theta^2 +$$
$$v^2\ z^2\ \theta^2 + 3.59502\times10^{17}\ r\ z\ \delta\ \theta\ \mathrm{Cos}[\beta] - 4.\ r\ v^2\ z\ \delta\ \theta\ \mathrm{Cos}[$$
$$\beta] - 8.98755\times10^{16}\ r^2\ \delta^2\ \mathrm{Cos}[\beta]^2 + r^2\ v^2\ \delta^2\ \mathrm{Cos}[\beta]^2)^3 -$$

$$
\begin{aligned}
&108.\, r^2 \delta^2 \left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2 z\,\theta - 8.98755\times\right.\\
&\quad\left.10^{16}\, r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2 \delta\,\mathrm{Cos}[\beta]\right)^2\\
&\left(-8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +\right.\\
&\quad 8.98755\times10^{16}\, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +\\
&\quad\left. 8.98755\times10^{16}\, z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +\\
&72.\, r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \left(8.98755\times10^{16}\, r^2 \delta^2 -\right.\\
&\quad 1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16}\, z^2 \theta^2 + v^2 z^2 \theta^2 +\\
&\quad 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -\\
&\quad\left. 8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\right)\\
&\left(-8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +\right.\\
&\quad 8.98755\times10^{16}\, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +\\
&\quad\left.\left.\left.\left. 8.98755\times10^{16}\, z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\Bigg) +\\
&\frac{1}{r^2\left(-8.98755\times10^{16} + v^2\right)}\, 0.264567 \Bigg(108.\, r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2\\
&\quad \mathrm{Cos}[\beta]^2 \left(-8.98755\times10^{16}\, r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755\times10^{16}\, z^2 \theta^2 -\right.\\
&\qquad\left. 1.\, v^2 z^2 \theta^2 - 8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2 +\\
&\quad 36.\, r\,\delta\,\mathrm{Cos}[\beta] \left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2 z\,\theta - 8.98755\times10^{16}\right.\\
&\qquad\left. r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2 \delta\,\mathrm{Cos}[\beta]\right)\\
&\quad\left(-8.98755\times10^{16}\, r^2 \delta^2 + 1.\, r^2 v^2 \delta^2 + 8.98755\times10^{16}\, z^2 \theta^2 -\right.\\
&\qquad 1.\, v^2 z^2 \theta^2 - 8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] +\\
&\qquad\left. 1.\, r\, v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \left(8.98755\times10^{16}\, r^2 \delta^2 -\right.\\
&\qquad 1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16}\, z^2 \theta^2 + v^2 z^2 \theta^2 +\\
&\qquad 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -\\
&\qquad\left. 8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +\\
&\quad 2.\, \left(8.98755\times10^{16}\, r^2 \delta^2 - 1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16}\, z^2 \theta^2 +\right.\\
&\qquad v^2 z^2 \theta^2 + 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -\\
&\qquad\left. 8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 -\\
&\quad 108.\, r^2 \delta^2 \left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2 z\,\theta - 8.98755\times10^{16}\right.\\
&\qquad\left. r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2 \delta\,\mathrm{Cos}[\beta]\right)^2\\
&\quad\left(-8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +\right.\\
&\qquad 8.98755\times10^{16}\, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +\\
&\qquad\left. 8.98755\times10^{16}\, z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +\\
&\quad 72.\, r^2 \left(-8.98755\times10^{16} + v^2\right) \delta^2 \left(8.98755\times10^{16}\, r^2 \delta^2 -\right.\\
&\qquad 1.\, r^2 v^2 \delta^2 - 8.98755\times10^{16}\, z^2 \theta^2 + v^2 z^2 \theta^2 +\\
&\qquad 3.59502\times10^{17}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\, r\, v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -\\
&\qquad\left. 8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2\right)\\
&\quad\left(-8.98755\times10^{16}\, r^2 \delta^2 \mathrm{Cos}[\beta]^2 + r^2 v^2 \delta^2 \mathrm{Cos}[\beta]^2 +\right.\\
&\qquad 8.98755\times10^{16}\, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\, v^2 z^2 \theta^2 \mathrm{Cos}[\beta]^2 +\\
&\qquad\left. 8.98755\times10^{16}\, z^3 \theta^3 \mathrm{Sin}[\beta]^2 - 1.\, v^2 z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +\\
&\quad \sqrt{}\Big(-4.\, \Big(12.\, r\,\delta\,\mathrm{Cos}[\beta] \left(8.98755\times10^{16}\, z\,\theta - 1.\, v^2 z\,\theta - 8.98755\times10^{16}\right.\\
&\qquad\qquad\left. r\,\delta\,\mathrm{Cos}[\beta] + 1.\, r\, v^2 \delta\,\mathrm{Cos}[\beta]\right) \left(-8.98755\times10^{16}\, r^2 \delta^2 +\right.\\
&\qquad\qquad 1.\, r^2 v^2 \delta^2 + 8.98755\times10^{16}\, z^2 \theta^2 - 1.\, v^2 z^2 \theta^2 -
\end{aligned}
$$

$$
\begin{array}{l}
8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) + \\
\big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + \\
v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^2 - 12.\, r^2\, \big(-8.98755\times10^{16} + v^2\big)\, \delta^2 \\
\big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
8.98755\times10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
8.98755\times10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\big)^3 + \\
\big(108.\, r^2\, \big(-8.98755\times10^{16} + v^2\big)\, \delta^2\, \mathrm{Cos}[\beta]^2\, \big(-8.98755\times10^{16} \\
r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1.\, v^2\, z^2\, \theta^2 - \\
8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big)^2 + \\
36.\, r\, \delta\, \mathrm{Cos}[\beta]\, \big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - \\
8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big) \\
\big(-8.98755\times10^{16}\, r^2\, \delta^2 + 1.\, r^2\, v^2\, \delta^2 + 8.98755\times10^{16}\, z^2\, \theta^2 - 1. \\
v^2\, z^2\, \theta^2 - 8.98755\times10^{16}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta]\big) \\
\big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + \\
v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) + \\
2.\, \big(8.98755\times10^{16}\, r^2\, \delta^2 - 1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + \\
v^2\, z^2\, \theta^2 + 3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta \\
\mathrm{Cos}[\beta] - 8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big)^3 - \\
108.\, r^2\, \delta^2\, \big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times \\
10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2 \\
\big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
8.98755\times10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + \\
8.98755\times10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big) + \\
72.\, r^2\, \big(-8.98755\times10^{16} + v^2\big)\, \delta^2\, \big(8.98755\times10^{16}\, r^2\, \delta^2 - \\
1.\, r^2\, v^2\, \delta^2 - 8.98755\times10^{16}\, z^2\, \theta^2 + v^2\, z^2\, \theta^2 + \\
3.59502\times10^{17}\, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - 4.\, r\, v^2\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] - \\
8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2\big) \\
\big(-8.98755\times10^{16}\, r^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + r^2\, v^2\, \delta^2\, \mathrm{Cos}[\beta]^2 + \\
8.98755\times10^{16}\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 - 1.\, v^2\, z^2\, \theta^2\, \mathrm{Cos}[\beta]^2 + 8.98755\times \\
10^{16}\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2 - 1.\, v^2\, z^3\, \theta^3\, \mathrm{Sin}[\beta]^2\big)\big)^2\big)\big)^{1/3}\Bigg) + 0.5
\end{array}
$$

$$
\sqrt{\Bigg(\frac{2.\,\big(8.98755\times10^{16}\, z\, \theta - 1.\, v^2\, z\, \theta - 8.98755\times10^{16}\, r\, \delta\, \mathrm{Cos}[\beta] + 1.\, r\, v^2\, \delta\, \mathrm{Cos}[\beta]\big)^2}{r^2\,\big(-8.98755\times10^{16} + v^2\big)^2} -}
$$

$$
\begin{array}{l}
\dfrac{1}{r^2\,\big(-8.98755\times10^{16} + v^2\big)} \\
1.33333 \\
\big(8.98755\times10^{16}\, r^2\, \delta^2 - \\
1.\, r^2\, v^2\, \delta^2 -
\end{array}
$$

$$
\begin{aligned}
&8.98755\times10^{16}\,z^2\,\theta^2+\\
&v^2\,z^2\,\theta^2+\\
&3.59502\times10^{17}\,r\,z\,\delta\,\theta\\
&\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\\
&\mathrm{Cos}[\beta]-8.98755\times10^{16}\\
&r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\\
&v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)-\\
&\Big(0.419974\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\\
&\quad 8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\\
&\quad 1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\\
&\quad 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+\\
&\quad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-\\
&\quad 12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-\\
&\quad 1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-\\
&\quad 1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)\Big)\Big/\\
&\Big(r^2\,\big(-8.98755\times10^{16}+1.\,v^2\big)\,\Big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\quad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2+36.\\
&\quad r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\quad r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\\
&\quad 1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)\\
&\quad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+2.\\
&\quad\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-\\
&\quad 108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\quad r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+72.\\
&\quad r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\\
&\quad\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+
\end{aligned}
$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\Big)+$$
$$\sqrt{}\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}$$
$$r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}\,r^2\,\delta^2+$$
$$1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$
$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+$$
$$\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$
$$r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)^3+$$
$$\Big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2\,\big(-8.98755\times10^{16}$$
$$r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$
$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2+$$
$$36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-$$
$$8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2$$
$$z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)$$
$$\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+$$
$$2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$
$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[$$
$$\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-$$
$$108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times$$
$$10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+$$
$$72.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-$$
$$1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+$$
$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$
$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)$$
$$\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$
$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)^2\Big)\Big)^{1/3}\Big)-$$
$$\frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}\,0.264567\,\Big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2$$
$$\mathrm{Cos}[\beta]^2\,\big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-$$

$$1.\,v^2 z^2 \theta^2 - 8.98755\times10^{16}\, r\, z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2 +$$
$$36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16} z\,\theta - 1.\,v^2 z\,\theta - 8.98755\times10^{16}$$
$$r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16} r^2\delta^2 + 1.\,r^2 v^2\delta^2 + 8.98755\times10^{16} z^2\theta^2 -$$
$$1.\,v^2 z^2\theta^2 - 8.98755\times10^{16} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] +$$
$$1.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)\,\Big(8.98755\times10^{16} r^2\delta^2 -$$
$$1.\,r^2 v^2\delta^2 - 8.98755\times10^{16} z^2\theta^2 + v^2 z^2\theta^2 +$$
$$3.59502\times10^{17} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2\Big) +$$
$$2.\,\Big(8.98755\times10^{16} r^2\delta^2 - 1.\,r^2 v^2\delta^2 - 8.98755\times10^{16} z^2\theta^2 +$$
$$v^2 z^2\theta^2 + 3.59502\times10^{17} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2\Big)^3 -$$
$$108.\,r^2\delta^2\,\Big(8.98755\times10^{16} z\,\theta - 1.\,v^2 z\,\theta - 8.98755\times10^{16}$$
$$r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)^2$$
$$\Big(-8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\,v^2 z^2\theta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\,v^2 z^3\theta^3\,\mathrm{Sin}[\beta]^2\Big) +$$
$$72.\,r^2\,\big(-8.98755\times10^{16} + v^2\big)\,\delta^2\,\Big(8.98755\times10^{16} r^2\delta^2 -$$
$$1.\,r^2 v^2\delta^2 - 8.98755\times10^{16} z^2\theta^2 + v^2 z^2\theta^2 +$$
$$3.59502\times10^{17} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 4.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2\Big)$$
$$\Big(-8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\,v^2 z^2\theta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\,v^2 z^3\theta^3\,\mathrm{Sin}[\beta]^2\Big) +$$
$$\sqrt{}\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16} z\,\theta - 1.\,v^2 z\,\theta - 8.98755\times10^{16}$$
$$r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)\,\Big(-8.98755\times10^{16} r^2\delta^2 +$$
$$1.\,r^2 v^2\delta^2 + 8.98755\times10^{16} z^2\theta^2 - 1.\,v^2 z^2\theta^2 -$$
$$8.98755\times10^{16} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big) +$$
$$\Big(8.98755\times10^{16} r^2\delta^2 - 1.\,r^2 v^2\delta^2 - 8.98755\times10^{16} z^2\theta^2 +$$
$$v^2 z^2\theta^2 + 3.59502\times10^{17} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] -$$
$$4.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta] - 8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2 - 12.\,r^2\,\big(-8.98755\times10^{16} + v^2\big)\,\delta^2$$
$$\Big(-8.98755\times10^{16} r^2\delta^2\,\mathrm{Cos}[\beta]^2 + r^2 v^2\delta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^2\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\,v^2 z^2\theta^2\,\mathrm{Cos}[\beta]^2 +$$
$$8.98755\times10^{16} z^3\theta^3\,\mathrm{Sin}[\beta]^2 - 1.\,v^2 z^3\theta^3\,\mathrm{Sin}[\beta]^2\Big)\Big)^3 +$$
$$\Big(108.\,r^2\,\big(-8.98755\times10^{16} + v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2\,\Big(-8.98755\times10^{16}$$
$$r^2\delta^2 + 1.\,r^2 v^2\delta^2 + 8.98755\times10^{16} z^2\theta^2 - 1.\,v^2 z^2\theta^2 -$$
$$8.98755\times10^{16} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2 +$$
$$36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\Big(8.98755\times10^{16} z\,\theta - 1.\,v^2 z\,\theta -$$
$$8.98755\times10^{16} r\,\delta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\Big)$$
$$\Big(-8.98755\times10^{16} r^2\delta^2 + 1.\,r^2 v^2\delta^2 + 8.98755\times10^{16} z^2\theta^2 - 1.$$
$$v^2 z^2\theta^2 - 8.98755\times10^{16} r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + 1.\,r\,v^2 z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)$$

$$
\begin{aligned}
&\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+\\
&2.\,\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\\
&\quad\left.\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-\\
&108.\,r^2\,\delta^2\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times\right.\\
&\quad\left.10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad\left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+\\
&72.\,r^2\,\left(-8.98755\times10^{16}+v^2\right)\,\delta^2\,\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)\\
&\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad\left.\left.\left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}+
\end{aligned}
$$

$$
\begin{aligned}
&\left(0.25\,\left(-\left(\left(8.\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+\right.\right.\right.\right.\right.\\
&\quad\left.\left.\left.1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^3\right)\Big/\left(r^3\,\left(-8.98755\times10^{16}+v^2\right)^3\right)\right)+\\
&\quad\frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}\,16.\,\delta\,\mathrm{Cos}[\beta]\,\left(-8.98755\times10^{16}\,r^2\,\delta^2+\right.\\
&\quad 1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\quad\left.8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+\\
&\quad\left(8.\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+\right.\right.\\
&\quad\quad\left.1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\,\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-\right.\\
&\quad\quad 8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\quad 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad\quad\left.\left.\left.\left.r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)\right)\Big/\left(r^3\,\left(-8.98755\times10^{16}+v^2\right)^2\right)\right)\right)\Big/
\end{aligned}
$$

$$
\begin{aligned}
&\left(\sqrt{\left(\left(1.\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+\right.\right.\right.}\right.\\
&\quad\left.\left.1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\right)\Big/\left(r^2\,\left(-8.98755\times10^{16}+v^2\right)^2\right)-\\
&\quad\frac{1}{r^2\,\left(-8.98755\times10^{16}+v^2\right)}\,0.666667\,\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+\\
&\quad\left(0.419974\,\left(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-\right.\right.\right.\\
&\quad\quad\left.8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)
\end{aligned}
$$

$$
\begin{aligned}
&\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\right.\\
&\quad\left.1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+\\
&\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-\\
&12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\\
&\quad\left.\left.\left.\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)\right)\Big/\\
&\left(r^2\left(-8.98755\times10^{16}+1.\,v^2\right)\left(108.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\right.\right.\\
&\quad\mathrm{Cos}[\beta]^2\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\right.\\
&\qquad 1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\\
&\qquad\left.1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-\right.\\
&\quad\left.1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\\
&\quad\left(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\right.\\
&\quad\left.1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)\\
&\quad\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+\\
&2.\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\right.\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-\\
&108.\,r^2\,\delta^2\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\right.\\
&\quad\left.r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)^2\\
&\quad\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad\left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+\\
&72.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2\left(8.98755\times10^{16}\,r^2\,\delta^2-\right.\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad\left.8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)\\
&\quad\left(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\right.\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad\left.8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+\sqrt{\Big(-4.}\\
&\qquad\left(12.\,r\,\delta\,\mathrm{Cos}[\beta]\left(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\right.\right.\\
&\qquad\quad\left.r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\right)\left(-8.98755\times10^{16}\,r^2\right.\\
&\qquad\quad\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad\quad\left.8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+\\
&\qquad\left(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\right.\\
&\qquad\quad z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad\quad 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad\quad\left.r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-12.\,r^2\left(-8.98755\times10^{16}+v^2\right)\delta^2
\end{aligned}
$$

$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^3+$$

$$(108.\,r^2\,(-8.98755\times10^{16}+v^2)\,\delta^2\,\mathrm{Cos}[\beta]^2$$

$$(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-$$

$$1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+$$

$$1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]$$

$$(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\,r$$

$$\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta])\,(-8.98755\times10^{16}\,r^2\,\delta^2+$$

$$1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$

$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])$$

$$(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}$$

$$z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$

$$4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2)+2.\,(8.98755\times10^{16}\,r^2\,\delta^2-$$

$$1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+$$

$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$

$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^3-$$

$$108.\,r^2\,\delta^2\,(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-$$

$$8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta])^2$$

$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+$$

$$8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2)+$$

$$72.\,r^2\,(-8.98755\times10^{16}+v^2)\,\delta^2\,(8.98755\times10^{16}$$

$$r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+$$

$$3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$

$$8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2)$$

$$(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2$$

$$\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-$$

$$1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+8.98755\times10^{16}\,z^3\,\theta^3$$

$$\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^2))^{1/3})+$$

$$\frac{1}{r^2\,(-8.98755\times10^{16}+v^2)}\,0.264567\,(108.\,r^2\,(-8.98755\times10^{16}+v^2)$$

$$\delta^2\,\mathrm{Cos}[\beta]^2\,(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+$$

$$8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-$$

$$8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])^2+$$

$$36.\,r\,\delta\,\mathrm{Cos}[\beta]\,(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-$$

$$8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta])$$

$$(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-$$

$$1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])$$

$$(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+$$

$$v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-$$

$$
\begin{aligned}
&8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+\\
&2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+\\
&\quad v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-\\
&108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times10^{16}\\
&\quad r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)^2\\
&\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&72.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\quad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\quad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\quad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\\
&\big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\quad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&\sqrt{\Big(-4.\,\Big(12.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-8.98755\times}\\
&\qquad 10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\,\big(-8.98755\times10^{16}\\
&\qquad r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-\\
&\qquad 8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+\\
&\qquad \big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\\
&\qquad z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad 4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-12.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\\
&\qquad \big(-8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.\,v^2\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2+\\
&\qquad 8.98755\times10^{16}\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2-1.\,v^2\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\Big)^3+\\
&\quad \Big(108.\,r^2\,\big(-8.98755\times10^{16}+v^2\big)\,\delta^2\,\mathrm{Cos}[\beta]^2\\
&\qquad \big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\,z^2\,\theta^2-\\
&\qquad 1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,z\,\delta\\
&\qquad \theta\,\mathrm{Cos}[\beta]\big)^2+36.\,r\,\delta\,\mathrm{Cos}[\beta]\,\big(8.98755\times10^{16}\,z\,\theta-1.\\
&\qquad v^2\,z\,\theta-8.98755\times10^{16}\,r\,\delta\,\mathrm{Cos}[\beta]+1.\,r\,v^2\,\delta\,\mathrm{Cos}[\beta]\big)\\
&\qquad \big(-8.98755\times10^{16}\,r^2\,\delta^2+1.\,r^2\,v^2\,\delta^2+8.98755\times10^{16}\\
&\qquad z^2\,\theta^2-1.\,v^2\,z^2\,\theta^2-8.98755\times10^{16}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\\
&\qquad 1.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)\,\big(8.98755\times10^{16}\,r^2\,\delta^2-1.\,r^2\,v^2\,\delta^2-\\
&\qquad 8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+3.59502\times10^{17}\,r\,z\,\delta\,\theta\\
&\qquad \mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-8.98755\times10^{16}\,r^2\,\delta^2\\
&\qquad \mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+2.\,\big(8.98755\times10^{16}\,r^2\,\delta^2-\\
&\qquad 1.\,r^2\,v^2\,\delta^2-8.98755\times10^{16}\,z^2\,\theta^2+v^2\,z^2\,\theta^2+\\
&\qquad 3.59502\times10^{17}\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-4.\,r\,v^2\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]-\\
&\qquad 8.98755\times10^{16}\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2+r^2\,v^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-\\
&\quad 108.\,r^2\,\delta^2\,\big(8.98755\times10^{16}\,z\,\theta-1.\,v^2\,z\,\theta-
\end{aligned}
$$

```
8.98755×10^16 r δ Cos[β] + 1. r v^2 δ Cos[β])^2
(-8.98755×10^16 r^2 δ^2 Cos[β]^2 + r^2 v^2 δ^2 Cos[β]^2 +
  8.98755×10^16 z^2 θ^2 Cos[β]^2 - 1. v^2 z^2 θ^2 Cos[β]^2 +
  8.98755×10^16 z^3 θ^3 Sin[β]^2 - 1. v^2 z^3 θ^3 Sin[β]^2) + 72.
r^2 (-8.98755×10^16 + v^2) δ^2 (8.98755×10^16 r^2 δ^2 - 1. r^2
  v^2 δ^2 - 8.98755×10^16 z^2 θ^2 + v^2 z^2 θ^2 + 3.59502×10^17
  r z δ θ Cos[β] - 4. r v^2 z δ θ Cos[β] - 8.98755×10^16
  r^2 δ^2 Cos[β]^2 + r^2 v^2 δ^2 Cos[β]^2) (-8.98755×10^16
  r^2 δ^2 Cos[β]^2 + r^2 v^2 δ^2 Cos[β]^2 + 8.98755×10^16 z^2
  θ^2 Cos[β]^2 - 1. v^2 z^2 θ^2 Cos[β]^2 + 8.98755×10^16
  z^3 θ^3 Sin[β]^2 - 1. v^2 z^3 θ^3 Sin[β]^2))^2))^(1/3)))))}}

{{α → -(0.5` (-1.` z θ + 1.` r δ Cos[β]))/r - 0.5` Sqrt[((1.` (-1.` z θ + 1.` r δ Cos[β])^2)/r^2 -
    (0.6666666666666666` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2))/r^2 +
    (0.41997368329829105` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
        (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
       (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 -
       12.` r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2)))/
     (r^2 (108. r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 + 36.`
          r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β]) (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ
            θ Cos[β]) (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
         2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
         108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
          (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
          r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
          (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
         Sqrt[(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
                (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) + (-1.` r^2 δ^2 +
                  z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.` r^2 δ^2
                (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
            (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
               36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
                (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
                (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
               2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
               108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
                (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
```

$$r^2\,\delta^2\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)$$
$$\left.\left.\left.\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\right)+$$
$$\frac{1}{r^2}\,0.26456684199469993`\,\left(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+\right.\right.$$
$$\left.1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+$$
$$1.`\,r\,\delta\,\mathrm{Cos}[\beta])\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)$$
$$\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+$$
$$2.`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2$$
$$\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+$$
$$72.`\,r^2\,\delta^2\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)$$
$$\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+$$
$$\sqrt{\left(-4.`\,\left(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\right.\right.}$$
$$\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+$$
$$\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-12.`$$
$$\left.r^2\,\delta^2\,\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^3+$$
$$\left(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+\right.$$
$$36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+\right.$$
$$\left.1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\right.$$
$$\left.r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+2.`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\right.$$
$$\left.r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3-108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2$$
$$\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)+$$
$$72.`\,r^2\,\delta^2\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)$$
$$\left.\left.\left.\left.\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\right)-$$
$$0.5`\,\sqrt{\left(\frac{2.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2}{r^2}-\right.}$$
$$\frac{1.3333333333333333`\,\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)}{r^2}-$$
$$\left(0.41997368329829105`\right.$$
$$\left(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\right.$$
$$\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)+$$
$$\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2-$$
$$\left.\left.12.`\,r^2\,\delta^2\,\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)\right)\Big/$$
$$\left(r^2\,\left(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2+\right.\right.$$
$$36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])$$
$$\left(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)$$
$$\left(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)+2.`$$

```
(-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 - 108.`
r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
(r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
(r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
√(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
      (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) + (-1.` r^2 δ^2 +
        z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.` r^2 δ^2
      (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
   (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
     36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
      (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
      (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
     2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
     108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
      (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
      r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
      (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)) -
1/r^2 0.26456684199469993` (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 +
        1.` r z δ θ Cos[β])^2 + 36.` r δ Cos[β] (-1.` z θ +
       1.` r δ Cos[β]) (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
     (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
    2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
    108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
     (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
    72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
     (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
    √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
          (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
         (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.`
          r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
       (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
         36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
          (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
          (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
         2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
         108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
          (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
```

$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)$$

$$\left.\left.\left.\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3} -$$

$$\left(0.25` \left(-\frac{8.` (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^3}{r^3} + \right.\right.$$

$$\frac{16.` \delta \mathrm{Cos}[\beta] \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)}{r^2} +$$

$$\frac{1}{r^3} 8.` (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])$$

$$\left.\left.\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)\right)\right) \Big/$$

$$\left(\sqrt{\left(\frac{1.` (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2}{r^2} - \frac{1}{r^2} 0.6666666666666666` \right.}\right.$$

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +$$

$$\left(0.41997368329829105` \left(12.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])\right.\right.$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right) +$$

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^2 -$$

$$\left.\left.12.` r^2 \delta^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)\right) \Big/$$

$$\left(r^2 \left(108.` r^2 \delta^2 \mathrm{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)^2 + \right.\right.$$

$$36.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)$$

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +$$

$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 -$$

$$108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2$$

$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$

$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)$$

$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$

$$\sqrt{\left(-4.` \left(12.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])\right.\right.}$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right) +$$

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^2 -$$

$$12.` r^2 \delta^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - \right.$$

$$\left.\left.1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^3 + \left(108.` r^2 \delta^2 \mathrm{Cos}[\beta]^2\right.$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)^2 +$$

$$36.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])$$

$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right) \left(-1.` r^2 \delta^2 + \right.$$

$$\left. z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) + 2.`$$

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 -$$

$$108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2$$

$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$

$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + \right.$$

$$
\begin{aligned}
&r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\\
&\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\big)^2\big)\big)^{1/3}\Big)+\\
&\frac{1}{r^2}\,0.26456684199469993`\,\Big(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-\\
&1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+\\
&1.`\,r\,\delta\,\mathrm{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)\\
&\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+\\
&2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-\\
&108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2\\
&\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\\
&\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&\sqrt{\Big(}-4.`\,\big(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+\\
&\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-\\
&12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-\\
&1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\big)^3+\big(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\\
&\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2+\\
&36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)\,\big(-1.`\,r^2\,\delta^2+\\
&z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)+2.`\\
&\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^3-\\
&108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2\\
&\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)+\\
&72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+\\
&r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\\
&\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\big)^2\big)\Big)^{1/3}\Big)\Big)\Big)\Big)\Big\},
\end{aligned}
$$

$$
\begin{aligned}
&\Big\{\alpha\to-\frac{0.5`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])}{r}-0.5`\,\sqrt{\Big(}\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2}{r^2}-\\
&\frac{0.6666666666666666`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)}{r^2}+\\
&\Big(0.41997368329829105`\\
&\big(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)+\\
&\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\big)^2-\\
&12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\big)\big)\Big)\Big/\\
&\Big(r^2\,\Big(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\big)^2+
\end{aligned}
$$

$$
\begin{aligned}
&36.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]) \\
&\left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \\
&\left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) + 2.\grave{} \\
&\left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3 - 108.\grave{} \\
&r^2\,\delta^2\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta])^2 \\
&\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + 72.\grave{} \\
&r^2\,\delta^2\ \left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) \\
&\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + \\
&\sqrt{\Big(-4.\grave{}\ \Big(12.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta])} \\
&\quad\left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) + \Big(-1.\grave{}\ r^2\,\delta^2 + \\
&\quad z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\Big)^2 - 12.\grave{}\ r^2\,\delta^2 \\
&\quad\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Big)^3 + \\
&\Big(108.\grave{}\ r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\ \left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2 + \\
&\quad 36.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]) \\
&\quad\left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \\
&\quad\left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) + \\
&\quad 2.\grave{}\ \left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3 - \\
&\quad 108.\grave{}\ r^2\,\delta^2\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta])^2 \\
&\quad\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + 72.\grave{} \\
&\quad r^2\,\delta^2\ \left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) \\
&\quad\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Big)^2\Big)\Big)^{1/3}\Big) + \\
&\frac{1}{r^2}\,0.26456684199469993\grave{}\ \Big(108.\grave{}\ r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\ \Big(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + \\
&\quad 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\Big)^2 + 36.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]\ (-1.\grave{}\ z\,\theta + \\
&\quad 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta])\ \left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \\
&\quad\left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) + \\
&\quad 2.\grave{}\ \left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3 - \\
&\quad 108.\grave{}\ r^2\,\delta^2\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta])^2 \\
&\quad\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + \\
&\quad 72.\grave{}\ r^2\,\delta^2\ \left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) \\
&\quad\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + \\
&\quad\sqrt{\Big(-4.\grave{}\ \Big(12.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta])} \\
&\qquad\left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) + \\
&\qquad\left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2 - 12.\grave{} \\
&\qquad r^2\,\delta^2\ \left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.\grave{}\ z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Big)^3 + \\
&\quad\Big(108.\grave{}\ r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\ \left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2 + \\
&\qquad 36.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]\ (-1.\grave{}\ z\,\theta + 1.\grave{}\ r\,\delta\,\mathrm{Cos}[\beta]) \\
&\qquad\left(1.\grave{}\ r^2\,\delta^2 - 1.\grave{}\ z^2\,\theta^2 + 1.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \\
&\qquad\left(-1.\grave{}\ r^2\,\delta^2 + z^2\,\theta^2 - 4.\grave{}\ r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) +
\end{aligned}
$$

```
2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)) +

0.5` √((2.` (-1.` z θ + 1.` r δ Cos[β])^2)/r^2 -
 (1.3333333333333333` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2))/r^2 -
 (0.41997368329829105`
   (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
      (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
     (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 -
     12.` r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2)))/
  (r^2 (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
        36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
         (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
         (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) + 2.`
         (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 - 108.`
         r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
         (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
         r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
         (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
        √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
                (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) + (-1.` r^2 δ^2 +
                  z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.` r^2 δ^2
                (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
           (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
              36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
               (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
               (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
              2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
              108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
               (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
               r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
               (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)) -
```

$$
\begin{aligned}
&\frac{1}{r^2}\,0.26456684199469993`\,(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+\\
&\quad 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])^2+36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+\\
&\quad 1.`\,r\,\delta\,\mathrm{Cos}[\beta])\,(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])\\
&\quad (-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)+\\
&\quad 2.`\,(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^3-\\
&\quad 108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2\\
&\quad (r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2)+\\
&\quad 72.`\,r^2\,\delta^2\,(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)\\
&\quad (r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2)+\\
&\quad \sqrt{}\,(-4.`\,(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\qquad (1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])+\\
&\qquad (-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^2-12.`\\
&\qquad r^2\,\delta^2\,(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^3+\\
&\quad (108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])^2+\\
&\qquad 36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\qquad (1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])\\
&\qquad (-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)+\\
&\qquad 2.`\,(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^3-\\
&\qquad 108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2\\
&\qquad (r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2)+\\
&\qquad 72.`\,r^2\,\delta^2\,(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)\\
&\qquad (r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^2))^{1/3}-\\
&(0.25`\,(-\frac{8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^3}{r^3}+\\
&\quad \frac{16.`\,\delta\,\mathrm{Cos}[\beta]\,(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])}{r^2}+\\
&\quad \frac{1}{r^3}8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\quad (-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)))\Big/\\
&(\sqrt{}\,(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2}{r^2}-\frac{1}{r^2}0.6666666666666666`\\
&\quad (-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)+\\
&\quad (0.41997368329829105`\,(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\mathrm{Cos}[\beta])\\
&\qquad (1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])+\\
&\qquad (-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]+r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^2-\\
&\qquad 12.`\,r^2\,\delta^2\,(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2)))\Big/
\end{aligned}
$$

$$\Big(r^2\,\Big(108.\text{`}\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2 + 36.\text{`}\,r\,\delta\,\text{Cos}[\beta]\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big) + 2.\text{`}\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3 - 108.\text{`}\,r^2\,\delta^2\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big) + 72.\text{`}\,r^2\,\delta^2\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big) + \sqrt{\Big(-4.\text{`}\,\Big(12.\text{`}\,r\,\delta\,\text{Cos}[\beta]\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big) + \big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2 - 12.\text{`}\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^3 + \Big(108.\text{`}\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2 + 36.\text{`}\,r\,\delta\,\text{Cos}[\beta]\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big) + 2.\text{`}\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3 - 108.\text{`}\,r^2\,\delta^2\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big) + 72.\text{`}\,r^2\,\delta^2\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^2\Big)}\Big)^{1/3}\Big) +$$

$$\frac{1}{r^2}\,0.26456684199469993\text{`}\,\Big(108.\text{`}\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2 + 36.\text{`}\,r\,\delta\,\text{Cos}[\beta]\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big) + 2.\text{`}\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3 - 108.\text{`}\,r^2\,\delta^2\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big) + 72.\text{`}\,r^2\,\delta^2\,\big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big) + \sqrt{\Big(-4.\text{`}\,\Big(12.\text{`}\,r\,\delta\,\text{Cos}[\beta]\,(-1.\text{`}\,z\,\theta + 1.\text{`}\,r\,\delta\,\text{Cos}[\beta])\,\big(1.\text{`}\,r^2\,\delta^2 - 1.\text{`}\,z^2\,\theta^2 + 1.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big) + \big(-1.\text{`}\,r^2\,\delta^2 + z^2\,\theta^2 - 4.\text{`}\,r\,z\,\delta\,\theta\,\text{Cos}[\beta] + r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2 - 12.\text{`}\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^2\,\theta^2\,\text{Cos}[\beta]^2 - 1.\text{`}\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\Big)^3 + \Big(108.\text{`}\,r^2\,\delta^2\,\text{Cos}[\beta]^2$$

```
(1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) (-1.` r^2 δ^2 +
   z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) + 2.`
 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] +
   r^2 δ^2 Cos[β]^2) (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2
    Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)))))},

{α → - (0.5` (-1.` z θ + 1.` r δ Cos[β]))/r + 0.5` Sqrt[((1.` (-1.` z θ + 1.` r δ Cos[β])^2)/r^2 -
   (0.6666666666666666` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2))/r^2 +
   (0.41997368329829105`
     (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
        (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
       (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 -
       12.` r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2)))/
    (r^2 (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
        36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
         (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
         (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) + 2.`
         (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 - 108.`
         r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
         (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
         r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
         (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
        Sqrt[(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
               (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) + (-1.` r^2 δ^2 +
                 z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.` r^2 δ^2
               (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
           (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
              36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
               (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
               (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
              2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
              108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
```

$$
\begin{aligned}
&\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + 72.` \\
&r^2\,\delta^2\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) \\
&\left.\left.\left.\left.\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\right) + \\
&\frac{1}{r^2}\,0.26456684199469993`\,\Bigl(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\bigl(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + \\
&1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\bigr)^2 + 36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + \\
&1.`\,r\,\delta\,\mathrm{Cos}[\beta])\,\left(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \\
&\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) + \\
&2.`\,\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3 - \\
&108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2 \\
&\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + \\
&72.`\,r^2\,\delta^2\,\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) \\
&\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + \\
&\sqrt{\Bigl(-4.`\,\Bigl(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])} \\
&\left(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) + \\
&\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2 - 12.` \\
&\left.r^2\,\delta^2\,\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^3 + \\
&\Bigl(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2 + \\
&36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta]) \\
&\left(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) \\
&\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) + \\
&2.`\,\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^3 - \\
&108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2 \\
&\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right) + \\
&72.`\,r^2\,\delta^2\,\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right) \\
&\left.\left.\left.\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\Bigr) - \\
&0.5`\,\sqrt{\Bigl(\frac{2.`\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2}{r^2} -} \\
&\frac{1.3333333333333333`\,\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)}{r^2} - \\
&\Bigl(0.41997368329829105` \\
&\Bigl(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta]) \\
&\left(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right) + \\
&\left(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\right)^2 - \\
&12.`\,r^2\,\delta^2\,\left(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2\right)\Bigr)\Bigr) \Big/ \\
&\Bigl(r^2\,\Bigl(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,\left(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]\right)^2 + \\
&36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])
\end{aligned}
$$

```
(1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
(-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) + 2.`
(-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 - 108.`
r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
(r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
(r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
√(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
      (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) + (-1.` r^2 δ^2 +
        z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.` r^2 δ^2
      (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
  (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
    36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
     (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
     (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
    2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
    108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
     (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
     r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
     (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)) -

1/r^2 0.26456684199469993` (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 +
        1.` r z δ θ Cos[β])^2 + 36.` r δ Cos[β] (-1.` z θ +
       1.` r δ Cos[β]) (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
    (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
   2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
   108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
    (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
   72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
    (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
   √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
         (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
        (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.`
         r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
     (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
       36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
        (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
        (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
       2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
```

$$108.\grave{} \, r^2 \delta^2 (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta])^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) + 72.\grave{} \, r^2 \delta^2 \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\Big)^2\Big)\Big)^{1/3} +$$

$$\Bigg(0.25\grave{} \, \Bigg(-\frac{8.\grave{} \, (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta])^3}{r^3} + \frac{16.\grave{} \, \delta \mathrm{Cos}[\beta] \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right)}{r^2} + \frac{1}{r^3} 8.\grave{} \, (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta]) \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)\Bigg)\Bigg) \Bigg/$$

$$\Bigg(\sqrt{\Bigg(\frac{1.\grave{} \, (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta])^2}{r^2} - \frac{1}{r^2} 0.6666666666666666\grave{} \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +}$$

$$\Big(0.41997368329829105\grave{} \, \Big(12.\grave{} \, r\delta \mathrm{Cos}[\beta] (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta]) \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right) + \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^2 - 12.\grave{} \, r^2 \delta^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\Big)\Big) \Big/$$

$$\Big(r^2 \Big(108.\grave{} \, r^2 \delta^2 \mathrm{Cos}[\beta]^2 \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right)^2 + 36.\grave{} \, r\delta \mathrm{Cos}[\beta] (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta]) \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right) \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +$$

$$2.\grave{} \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 - 108.\grave{} \, r^2 \delta^2 (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta])^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$

$$72.\grave{} \, r^2 \delta^2 \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$

$$\sqrt{\Big(-4.\grave{} \, \Big(12.\grave{} \, r\delta \mathrm{Cos}[\beta] (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta]) \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right) + \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^2 - 12.\grave{} \, r^2 \delta^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.\grave{} \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\Big)^3 +}$$

$$\Big(108.\grave{} \, r^2 \delta^2 \mathrm{Cos}[\beta]^2 \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right)^2 + 36.\grave{} \, r\delta \mathrm{Cos}[\beta] (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta]) \left(1.\grave{} \, r^2 \delta^2 - 1.\grave{} \, z^2 \theta^2 + 1.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta]\right) \left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) + 2.\grave{}$$

$$\left(-1.\grave{} \, r^2 \delta^2 + z^2 \theta^2 - 4.\grave{} \, r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 - 108.\grave{} \, r^2 \delta^2 (-1.\grave{} \, z\theta + 1.\grave{} \, r\delta \mathrm{Cos}[\beta])^2$$

$$(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2) +$$
$$72.`\,r^2\,\delta^2\,(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] +$$
$$r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)\,(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2$$
$$\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^2))^{1/3}) +$$
$$\frac{1}{r^2}\,0.26456684199469993`\,(108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2\,(1.`\,r^2\,\delta^2 -$$
$$1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])^2 + 36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta +$$
$$1.`\,r\,\delta\,\mathrm{Cos}[\beta])\,(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])$$
$$(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2) +$$
$$2.`\,(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^3 -$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2$$
$$(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2) +$$
$$72.`\,r^2\,\delta^2\,(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)$$
$$(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2) +$$
$$\sqrt{(-4.`\,(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])}$$
$$(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]) +$$
$$(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^2 -$$
$$12.`\,r^2\,\delta^2\,(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 -$$
$$1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^3 + (108.`\,r^2\,\delta^2\,\mathrm{Cos}[\beta]^2$$
$$(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])^2 +$$
$$36.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])$$
$$(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta])\,(-1.`\,r^2\,\delta^2 +$$
$$z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2) + 2.`$$
$$(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^3 -$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2$$
$$(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2) +$$
$$72.`\,r^2\,\delta^2\,(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] +$$
$$r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)\,(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2$$
$$\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2))^2))^{1/3})))\},$$
$$\{\alpha \to -\frac{0.5`\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])}{r} + 0.5`\,\sqrt{(\frac{1.`\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])^2}{r^2} -}$$
$$\frac{0.6666666666666666`\,(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)}{r^2} +$$
$$(0.41997368329829105`$$
$$(12.`\,r\,\delta\,\mathrm{Cos}[\beta]\,(-1.`\,z\,\theta + 1.`\,r\,\delta\,\mathrm{Cos}[\beta])$$
$$(1.`\,r^2\,\delta^2 - 1.`\,z^2\,\theta^2 + 1.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta]) +$$
$$(-1.`\,r^2\,\delta^2 + z^2\,\theta^2 - 4.`\,r\,z\,\delta\,\theta\,\mathrm{Cos}[\beta] + r^2\,\delta^2\,\mathrm{Cos}[\beta]^2)^2 -$$
$$12.`\,r^2\,\delta^2\,(r^2\,\delta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^2\,\theta^2\,\mathrm{Cos}[\beta]^2 - 1.`\,z^3\,\theta^3\,\mathrm{Sin}[\beta]^2)))\,/$$

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(r^2 (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
      36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
       (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
       (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) + 2.`
       (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 - 108.`
       r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
       (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
       r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
       (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
      √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
             (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) + (-1.` r^2 δ^2 +
               z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.` r^2 δ^2
             (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
         (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
            36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
             (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
             (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
            2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
            108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
             (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) + 72.`
             r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
             (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)) +
 1/r^2 0.26456684199469993` (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 +
        1.` r z δ θ Cos[β])^2 + 36.` r δ Cos[β] (-1.` z θ +
       1.` r δ Cos[β]) (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
     (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
    2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
    108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
     (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
    72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
     (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
    √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
            (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
           (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 - 12.`
            r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^3 +
       (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
          36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
           (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
```

$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +$$
$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 -$$
$$108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2$$
$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$
$$72.` r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)$$
$$\left.\left.\left.\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\right) +$$

$$0.5` \sqrt{\left(\frac{2.` (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2}{r^2} - \right.}$$
$$\frac{1.3333333333333333` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)}{r^2} -$$
$$\left(0.41997368329829105`\right.$$
$$\left(12.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])\right.$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right) +$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^2 -$$
$$\left.\left.12.` r^2 \delta^2 \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)\right) \Big/$$
$$\left(r^2 \left(108.` r^2 \delta^2 \mathrm{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)^2 +\right.\right.$$
$$36.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) + 2.`$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 - 108.`$$
$$r^2 \delta^2 (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2$$
$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) + 72.`$$
$$r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)$$
$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$
$$\sqrt{\left(-4.` \left(12.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])\right.\right.}$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right) + \left(-1.` r^2 \delta^2 +\right.$$
$$\left. z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^2 - 12.` r^2 \delta^2$$
$$\left.\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^3 +$$
$$\left(108.` r^2 \delta^2 \mathrm{Cos}[\beta]^2 \left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)^2 +\right.$$
$$36.` r \delta \mathrm{Cos}[\beta] (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])$$
$$\left(1.` r^2 \delta^2 - 1.` z^2 \theta^2 + 1.` r z \delta \theta \mathrm{Cos}[\beta]\right)$$
$$\left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) +$$
$$2.` \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 -$$
$$108.` r^2 \delta^2 (-1.` z \theta + 1.` r \delta \mathrm{Cos}[\beta])^2$$
$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) + 72.`$$
$$r^2 \delta^2 \left(-1.` r^2 \delta^2 + z^2 \theta^2 - 4.` r z \delta \theta \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)$$
$$\left.\left.\left.\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\right) -$$

$$\frac{1}{r^2}\,0.26456684199469993`\,\Big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+$$
$$1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+$$
$$1.`\,r\,\delta\,\text{Cos}[\beta])\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)$$
$$\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+$$
$$2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2$$
$$\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+$$
$$72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)$$
$$\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+$$
$$\sqrt{}\Big(-4.`\,\big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+$$
$$\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-12.`$$
$$r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^3+$$
$$\big(108.`\,r^2\,\delta^2\,\text{Cos}[\beta]^2\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)^2+$$
$$36.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)$$
$$\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+$$
$$2.`\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^3-$$
$$108.`\,r^2\,\delta^2\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2$$
$$\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)+$$
$$72.`\,r^2\,\delta^2\,\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)$$
$$\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)^2\Big)\Big)^{1/3}+$$
$$\Bigg(0.25`\,\Bigg(-\frac{8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^3}{r^3}+$$
$$\frac{16.`\,\delta\,\text{Cos}[\beta]\,\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)}{r^2}+$$
$$\frac{1}{r^3}8.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)\Bigg)\Bigg)\Big/$$
$$\Bigg(\sqrt{}\Bigg(\frac{1.`\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])^2}{r^2}-\frac{1}{r^2}0.6666666666666666`$$
$$\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)+$$
$$\Big(0.41997368329829105`\,\big(12.`\,r\,\delta\,\text{Cos}[\beta]\,(-1.`\,z\,\theta+1.`\,r\,\delta\,\text{Cos}[\beta])$$
$$\big(1.`\,r^2\,\delta^2-1.`\,z^2\,\theta^2+1.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]\big)+$$
$$\big(-1.`\,r^2\,\delta^2+z^2\,\theta^2-4.`\,r\,z\,\delta\,\theta\,\text{Cos}[\beta]+r^2\,\delta^2\,\text{Cos}[\beta]^2\big)^2-$$
$$12.`\,r^2\,\delta^2\,\big(r^2\,\delta^2\,\text{Cos}[\beta]^2-1.`\,z^2\,\theta^2\,\text{Cos}[\beta]^2-1.`\,z^3\,\theta^3\,\text{Sin}[\beta]^2\big)\big)\Big)\Big/$$

```
(r^2 (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
      36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
       (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
       (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
      2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
      108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
       (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
      72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
       (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
      √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
              (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
             (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 -
             12.` r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 -
                1.` z^3 θ^3 Sin[β]^2))^3 + (108.` r^2 δ^2 Cos[β]^2
             (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 +
            36.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
             (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) (-1.` r^2 δ^2 +
               z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) + 2.`
             (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
            108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
             (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
            72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] +
               r^2 δ^2 Cos[β]^2) (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2
                Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2))^2))^(1/3)) +
1/r^2 0.26456684199469993` (108.` r^2 δ^2 Cos[β]^2 (1.` r^2 δ^2 -
          1.` z^2 θ^2 + 1.` r z δ θ Cos[β])^2 + 36.` r δ Cos[β] (-1.` z θ +
         1.` r δ Cos[β]) (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β])
       (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2) +
      2.` (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^3 -
      108.` r^2 δ^2 (-1.` z θ + 1.` r δ Cos[β])^2
       (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
      72.` r^2 δ^2 (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)
       (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 - 1.` z^3 θ^3 Sin[β]^2) +
      √(-4.` (12.` r δ Cos[β] (-1.` z θ + 1.` r δ Cos[β])
              (1.` r^2 δ^2 - 1.` z^2 θ^2 + 1.` r z δ θ Cos[β]) +
             (-1.` r^2 δ^2 + z^2 θ^2 - 4.` r z δ θ Cos[β] + r^2 δ^2 Cos[β]^2)^2 -
             12.` r^2 δ^2 (r^2 δ^2 Cos[β]^2 - 1.` z^2 θ^2 Cos[β]^2 -
                1.` z^3 θ^3 Sin[β]^2))^3 + (108.` r^2 δ^2 Cos[β]^2
```

$$\left(1.` \, r^2 \delta^2 - 1.` \, z^2 \theta^2 + 1.` \, r\, z\, \delta\, \theta \, \mathrm{Cos}[\beta]\right)^2 +$$
$$36.` \, r\, \delta \, \mathrm{Cos}[\beta] \, (-1.` \, z\, \theta + 1.` \, r\, \delta \, \mathrm{Cos}[\beta])$$
$$\left(1.` \, r^2 \delta^2 - 1.` \, z^2 \theta^2 + 1.` \, r\, z\, \delta\, \theta \, \mathrm{Cos}[\beta]\right) \left(-1.` \, r^2 \delta^2 + z^2 \theta^2 - 4.` \, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) + 2.`$$
$$\left(-1.` \, r^2 \delta^2 + z^2 \theta^2 - 4.` \, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right)^3 -$$
$$108.` \, r^2 \delta^2 \, (-1.` \, z\, \theta + 1.` \, r\, \delta\, \mathrm{Cos}[\beta])^2$$
$$\left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` \, z^2 \theta^2 \mathrm{Cos}[\beta]^2 - 1.` \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right) +$$
$$72.` \, r^2 \delta^2 \left(-1.` \, r^2 \delta^2 + z^2 \theta^2 - 4.` \, r\, z\, \delta\, \theta\, \mathrm{Cos}[\beta] + r^2 \delta^2 \mathrm{Cos}[\beta]^2\right) \left(r^2 \delta^2 \mathrm{Cos}[\beta]^2 - 1.` \, z^2 \theta^2\right.$$
$$\left.\left.\left.\left.\left.\left. \mathrm{Cos}[\beta]^2 - 1.` \, z^3 \theta^3 \mathrm{Sin}[\beta]^2\right)\right)^2\right)\right)^{1/3}\right)\right)\right)\}\}$$

Considering the counting, "backward," from infinity instead of, "forward," from zero, we see how there is an, "infinite pattern," of mathematical forms and equations, akin to a tapestry that vibrates throughout the cosmos . That your, "material," form; a higher dimensional compounded lattice of the cosmic geometry, supports consciousness that can comprehend the nature of the material body that hosts it, and also contemplate the essential nature of its infinite pattern and self, is a marvel of transformation and higher dimensional motion that compels one to acknowledge the infinite as the all knowing, guiding force of the Universe; the All . In this way, we understand the potential of being, "Children of God," beings with an immortal, eternal soul, the soul' s being that which connects the individual to infinity . So long as the person stays close to the precepts of love, life will follow . The resurrection is the manifestation of the infinite through the numerous examples of phenomenological spontaneity, not that we can fathom all the mysteries of the spirit, but that we do understand the veritability of visions through higher dimensions of perception akin to the true, a - temporal, "future." By future, I mean the liberated realm of the virtual imaginary, where saints and angels interact in the heavens of paradise and bliss .